## PRICES-CURRENT of Food-grains and Salt in the undermentioned

QUANTITIES PER RUPEE BY

| Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Rice, best sort. Present return. | Rice, best sort. Next preceding return. | Rice, best sort. Corresponding return of last year. | Rice, common. Present return. | Rice, common. Next preceding return. | Rice, common. Corresponding return of last year. | Bulrush Millet—Cumboo, Bajra. Present return. | Bulrush Millet—Cumboo, Bajra. Next preceding return. | Bulrush Millet—Cumboo, Bajra. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Eastern Districts*—(Contd.) | S Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 21 | Chittagong ... ... ... ... | O 11 8 | 12 0 | 12 0 | ... | ... | ... | 7 0 | 8 0 | 12 0 | 10 8 | 12 0 | 15 0 | ... | ... | ... |
| 22 | Noakholly ... ... ... ... | P ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 11 0 | 17 0 | 16 0 | 15 0 | ... | ... | ... |
| 23 | Tipperah ... ... ... ... | 12 0 | 12 0 | 16 0 | ... | ... | ... | 12 0 | 13 0 | 12 0 | 17 0 | 19 0 | 17 0 | ... | ... | ... |
| 24 | Chittagong Hill Tracts ... ... | ... | ... | ... | ... | ... | ... | 9 4 | 10 0 | 12 4 | 10 0 | 10 10 | 13 8 | ... | ... | ... |
| | Hill Tipperah ... ... ... | 10 5 | 10 5 | 9 5 | ... | ... | ... | 16 0 | 17 0 | 14 5 | 24 0 | 28 0 | 16 0 | ... | ... | ... |
| | BEHAR. | | | | | | | | | | | | | | | |
| 25 | Patna ... ... ... ... | 20 0 | 21 0 | 26 0 | 32 0 | 32 0 | 37 0 | 13 8 | 14 0 | 13 8 | 18 8 | 20 8 | 21 0 | ... | ... | ... |
| 26 | Gya ... ... ... ... ... | Q 24 8 | 24 8 | 24 0 | 36 4 | 35 0 | 33 0 | 12 0 | 13 0 | 11 8 | 20 8 | 21 0 | 21 4 | ... | ... | ... |
| 27 | Shahabad ... ... ... ... | R 23 0 | 21 0 | 20 0 | 33 0 | 31 0 | 28 0 | 16 0 to 18 0 | 17 0 | 18 0 | 19 0 | 18 8 | 20 0 | ... | ... | ... |
| 28 | Durbhunga ... ... ... ... | 19 8 | 20 4 | 20 12 | 30 12 | 33 0 | 34 0 | 13 8 | 14 4 | 12 0 | 15 12 | 17 8 | 15 8 | ... | ... | ... |
| 29 | Mozufferpore ... ... ... | S 20 0 | 20 0 | 20 0 | 30 0 | 30 0 | 30 0 | 11 0 | 11 0 | 12 0 | 15 0 | 15 0 | 15 0 | ... | ... | ... |
| 30 | Sarun ... ... ... ... | 16 8 | 16 4 | 22 8 | 31 0 | 31 8 | 36 0 | 10 8 | 10 8 | 9 12 | 18 12 | 19 0 | 20 0 | ... | ... | ... |
| 31 | Chumparun ... ... ... ... | T 20 0 | 20 0 | 23 0 | 44 0 | 44 0 | 40 0 | 9 0 | 9 0 | 8 0 | 17 0 | 17 0 | 20 0 | ... | ... | ... |
| 32 | Monghyr ... ... ... ... | 18 9 | 18 9 | 28 3 | 31 5 | 31 5 | 36 7 | 13 6 | 12 6 | 15 7 | 18 9 | 16 8 | 19 0 | ... | ... | ... |
| 33 | Bhagulpore.* | | | | | | | | | | | | | | | |
| 34 | Purneah ... ... ... ... | U 25 0 | 23 0 to 27 8 | 23 0 | ... | ... | ... | 22 0 | 22 0 to 24 0 | 16 0 | 26 0 | 26 0 | 18 0 | ... | ... | ... |
| 35 | Maldah ... ... ... ... | 19 0 | 20 0 | 24 0 | 45 0 | 45 0 | 45 0 | 21 0 | 23 0 | 21 8 | 22 8 | 25 8 | 22 0 | 32 0 | 32 0 | 32 0 |
| 36 | Sonthal Pergunnahs ... ... | V 16 0 | 15 0 | ... | ... | ... | ... | 17 0 | 20 0 | 18 0 | 24 0 | 24 0 | 22 0 | ... | ... | ... |
| | ORISSA. | | | | | | | | | | | | | | | |
| 37 | Cuttack ... ... ... ... | 15 12 | 15 12 | 21 0 | ... | ... | ... | 15 12 | 14 7 | 18 6 | 18 6 | 19 11 | 23 10 | ... | ... | ... |
| 38 | Pooree.* | | | | | | | | | | | | | | | |
| 39 | Balasore.* | | | | | | | | | | | | | | | |
| | CHOTA NAGPORE. *South-Western Frontier Agency.* | | | | | | | | | | | | | | | |
| 40 | Hazareebagh ... ... ... | W 19 0 | 19 0 | 21 0 | ... | ... | ... | 12 0 | 12 0 | 12 0 | 22 0 | 21 0 | 24 0 | ... | ... | ... |
| 41 | Lohardugga ... ... ... ... | 24 0 | 24 0 | 24 0 | 40 0 | 40 0 | 28 0 | 24 0 | 24 0 | 24 0 | 28 0 | 28 0 | 28 0 | ... | ... | ... |
| 42 | Singbhoom ... ... ... ... | 26 0 | 26 0 | 22 0 | 40 0 | 40 0 | 32 0 | 20 0 | 20 0 | 18 0 | 40 0 | 40 0 | 36 0 | ... | ... | ... |
| 43 | Manbhoom ... ... ... ... | X 18 0 | 19 0 | 19 0 | ... | ... | ... | 20 0 | 20 0 | 16 0 | 29 0 | 30 0 | 24 0 | ... | ... | ... |

* Returns not received.

O In the interior the prices range as follow:—Best rice 6 to 12 seers, and common rice 9 to 13 seers.

P In the interior the prices range as follow:—Best rice 13 to 16-8 seers, and common rice 13 to 26 seers.

Q In the interior the prices range as follow:—Wheat 20 to 24 seers, barley 37-8 seers, best rice 12-8 seers, common rice 13-12 to 23 seers, and gram 26 to 32-8 seers.

R In the interior the prices range as follow:—Wheat 17-8 to 23 seers, barley 28 to 37-8 seers, best rice 11 to 13 seers, common rice 19 to 21 seers, and gram 30 to 37 seers.

S In the interior the prices range as follow:—Wheat 19 to 30 seers, barley 28 to 60 seers, best rice 12 to 20 seers, common rice 15 to 22 seers, lesser millets 21 to 40 seers, maize or Indian corn 25 to 40 seers, and gram 24 to 40 seers.

CALCUTTA,

*The 5th June 1877.*

*Districts of Bengal for the Fortnight ending 15th May 1877.*—(Continued.)

THE SEER OF 80 TOLAHS.

| Great Millet—Cholum, Jowar. | | | Lesser Millets—Ragi or Murwa, and Cheena. | | | Maize or Indian-corn. | | | Gram. | | | Firewood. | | | Salt. | | | Districts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | *Eastern Districts.*—(Contd.) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 0 | 10 0 | 16 0 | 120 0 | 120 0 | 120 0 | 8 0 | 8 0 | 7 8 | Chittagong. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 0 | 14 0 | 11 0 | ... | ... | ... | 8 0 | 8 0 | 5 8 | Noakholly. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 19 0 | ... | ... | ... | 9 0 | 9 0 | 8 12 | Tipperah. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 240 0 | 200 0 | 240 0 | 10 0 | 8 0 | 6 10 | Chittagong Hill Tracts. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 5 | 12 5 | 11 6 | ... | ... | ... | 8 0 | 8 0 | 8 0 | Hill Tipperah. |
| | | | | | | | | | | | | | | | | | | BEHAR. |
| 31 0 | 25 8 | 22 0 | ... | ... | ... | 32 0 | 38 0 | 38 0 | 29 0 | 30 0 | 35 0 | 140 0 | 140 0 | 150 0 | 8 0 | 8 0 | 8 0 | Patna. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 8 | 28 0 | 28 8 | 160 0 | 180 0 | 200 0 | 8 0 | 8 0 | 8 0 | Gya. |
| 27 0 | 26 0 | 37 0 | 30 0 | 27 8 | 30 0 | 28 0 | 29 0 | 30 0 | 31 0 | 30 0 | 30 0 | 160 0 | 160 0 | 160 0 | 8 0 | 9 0 | 8 8 | Shahabad. |
| ... | ... | ... | 27 8 | 30 12 | 27 8 | 26 4 | 27 8 | 30 0 | 27 8 | 27 8 | 30 12 | 176 0 | 176 0 | 160 0 | 7 10 | 7 14 | 7 4 | Durbhunga. |
| ... | ... | ... | ... | ... | ... | 28 0 | 29 0 | 30 0 | 25 0 | 25 0 | 27 0 | 140 0 | 140 0 | 140 0 | 8 0 | 8 8 | 7 12 | Mozufferpore. |
| 32 0 | 35 0 | ... | 29 0 | 30 0 | 37 0 | 32 0 | 34 0 | 37 0 | 27 8 | 29 0 | 33 0 | 160 0 | 160 0 | 160 0 | 8 4 | 8 4 | 8 4 | Sarun. |
| ... | ... | ... | ... | ... | ... | 30 0 | 31 0 | 46 0 | 28 0 | 31 0 | 35 0 | ... | ... | ... | 7 12 | 7 12 | 7 12 | Chumparun. |
| ... | ... | ... | ... | ... | ... | 31 5 | 29 4 | 36 7 | 31 5 | 29 4 | 38 8 | 147 0 | 168 0 | 168 0 | 8 4 | 8 4 | 8 4 | Monghyr. |
| | | | | | | | | | | | | | | | | | | Bhagulpore.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 0 | 28 0 to 30 0 | 25 0 | 160 0 | 160 0 | 160 0 | 8 0 | 8 0 | 8 0 | Purneah. |
| ... | ... | ... | ... | ... | ... | 45 0 | 45 0 | 40 0 | 30 0 | 35 0 | 34 0 | 120 0 | 120 0 | 160 0 | 8 4 | 8 4 | 8 0 | Maldah. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 0 | 22 0 | 22 0 | 280 0 | ... | 240 0 | 8 0 | 8 0 | 8 0 | Sonthal Pergha. |
| | | | | | | | | | | | | | | | | | | ORISSA. |
| ... | ... | ... | 21 0 | 21 0 | 17 1 | ... | ... | ... | 15 12 | 19 11 | 27 9 | 200 0 | 200 0 | 200 0 | 12 0 | 12 0 | 13 0 | Cuttack. |
| | | | | | | | | | | | | | | | | | | Pooree.* |
| | | | | | | | | | | | | | | | | | | Balasore.* |
| | | | | | | | | | | | | | | | | | | CHOTA NAGPORE. *South-Western Frontier Agency.* |
| ... | ... | ... | 33 0 | 30 0 | 36 0 | ... | ... | ... | 24 0 | 24 0 | 23 0 | 240 0 | 240 0 | 240 0 | 8 0 | 8 0 | 7 4 | Hazareebagh. |
| ... | ... | ... | 40 0 | 40 0 | 40 0 | ... | ... | ... | 24 0 | 24 0 | 20 0 | 180 0 | 180 0 | 200 0 | 7 0 | 7 4 | 7 0 | Lohardugga. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 0 | 24 0 | 20 0 | 320 0 | 320 0 | 320 0 | 6 0 | 6 0 | 6 0 | Singbhoom. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 0 | 22 0 | 16 0 | 200 0 | 200 0 | 280 0 | 8 0 | 8 0 | 8 0 | Manbhoom. |

T In the interior the prices range as follow:—Wheat 20 to 29 seers, barley 30 to 42 seers, best rice 12 to 16 seers, common rice 15 to 19 seers, lesser millets 35 to 45 seers, maize or Indian corn 29 to 40 seers, and gram 20 to 35 seers.

U In the interior the prices range as follow:—Wheat 20 to 25 seers, best rice 19 to 22 seers, common rice 25 to 26 seers, and gram 28 to 30 seers.

V In the interior the prices range as follow:—Wheat 20 to 25 seers, barley 37-8 to 43-12 seers, best rice 18 to 20 seers, common rice 22 to 24 seers, maize or Indian corn 22 to 37-8 seers, and gram 30 to 33-12 seers.

W In the interior the prices range as follow:—Wheat 18 to 23-12 seers, barley 30 to 40 seers, best rice 13 seers, common rice 19 to 23-12 seers, lesser millets 40 to 42-8 seers, maize or Indian corn 26 to 40 seers, and gram 21 to 32-8 seers.

X In the interior the prices range as follow:—Wheat 20 seers, best rice 26 to 30 seers, common rice 32 to 34 seers, maize or Indian corn 40 seers, and gram 20 seers.

Published for general information.

H. J. S. Cotton,
*Jr. Secy. to the Govt. of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 2nd June 1877.*

| No. | District. and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| | BENGAL. | | |
| | *Western Districts.* | | |
| BURDWAN DIVS. 1 | Burdwan, June 4*'77 | 1·65 | There were frequent storms during the week. The rainfall at Culna has been ·31, at Cutwa 1·10, at Bood-bood ·59, at Jehanabad 2·89, and at Raneegunge ·41. Cultivation is progressing favorably. Fever is prevalent. |
| 2 | Bankoora, „ 2 „ | ·97 | Weather—Cloudy and hot, with occasional rain. State and prospects of the crops are favorable |
| 3 | Beerbhoom, „ 2 „ | ·70 | Weather—Showery, and very favorable for the preparation of the land, which is now in full operation. |
| 4 | Midnapore, „ 2 „ | ·68 | Weather—Seasonable, *i. e.* hot and fine, with wind or rain; storms almost every evening. Sowings are going on, and the prospects are promising. |
| 5 | Hooghly, „ 2 „ | 1·89 | Weather—Hot. Early rice has germinated in places. Jute is being sown, and brinjals are being transplanted. Seedlings of late rice are being prepared. |
| | Howrah, „ 2 „ | 1·36 | Weather—Very hot, with fair fall of rain, which has done much good in enabling the agriculturists to prepare their lands. |
| | *Central Districts.* | | |
| PRESIDENCY DIVS. 6 | 24-Pergunnahs, June 4†'77 | 1·63 | Weather—Warm and showery. Rain has done much good to cultivation, and sowings have well advanced. Public health is generally good. |
| 7 | Nuddea, „ 2 „ | ·39 | Weather—Hot, except when the rain is falling. The crops promise well so far, but more rain is required. |
| 8 | Jessore, „ 2 „ | ·81 | Weather—Hot, with a few heavy showers. State and prospects of the crops are good. |
| 9 | Moorshedabad, „ 2 „ | ·27 | Weather—Very hot. *Bhadoi* crops are promising everywhere, except in Bhugwangola, where rain is wanted for them. Preparations for late rice are general. The mango crop is a failure. Cholera has much abated. |
| RAJSHAHYE AND COOCH BEHAR DIVS. 10 | Dinagepore, „ 1 „ | 1·12 | Weather—Hot and sultry. ·26 of rain registered at Roygunge. State and prospects of the crops are very good. Ploughing is going on. Cholera is decreasing. |
| 11 | Rajshahye, „ 2 „ | 1·58 | Weather—Intensely hot during the first part of the week; latterly stormy, with moderate rain. Rain has fallen in all parts of the district, and has done much good to early rice, jute, and sessamum. *Boro* rice is being cut, and lands are being prepared for the transplanting of *amun* seedlings. |
| 12 | Rungpore, „ 1 „ | ·40 | The weather has remained extremely hot since the heavy rains of last week. There was only one shower of rain on the 26th May, and a few drops fell on the 31st, but these rains had little or no effect in cooling the atmosphere. The rainfall at Kurigram has been 1·45 inches, at Gaibanda ·59 of an inch, and at Bagdogra ·37 of an inch. The cultivators have begun to transplant the *amun* crop in the low plots, and seed is being sown in beds for the higher plots of ground. Considerable damage is reported to have been sustained by the jute crop owing to the recent heavy rain, and some of the *kaos* and *aous* crops also are stated to have been injured. Public health is on the whole good, though fever and cholera are still reported from the Gaibanda sub-division. |
| 13 | Bogra, „ 2 „ | 1·31 | Weather—Hot and cloudy. The crops are doing well, except that *aous* rice and *kaos* millet in some places of Shariakandy police station have somewhat been damaged by the rapid rise of water. |
| 14 | Pubna, „ 2 „ | Nil | Weather—Days are hot and occasionally cloudy. State and prospects of the crops continue favorable. |

* Telegram of the 4th June shows rainfall during the seven days immediately preceding.

† Report of the 4th June shows rainfall during the seven days immediately preceding.

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| BENGAL.—(*Continued.*) | | | |
| | *Central Districts.* | | |
| RAJSHAHYE AND COOCH BEHAR DIVS. 15 | Darjeeling, June 1 '77 | 2·09 | Weather—Frequent showers, but no heavy falls of rain. All the crops are progressing favorably throughout the district. |
| 16 | Julpigoree, „ 2 „ | 1·14 | Weather—Gusty and rainy, with intervening days of heat. The *bhadoi* sowings are over in all parts of the district, except Silligoree. The condition of the crops generally is excellent; but excessive rain has produced weeds in Patgram. The *haimanti* crop is beginning to germinate in some places. |
| | Cooch Behar, May 31 „ | 2·09 | Weather—First part of the week was rainy; latter part was very hot, but varied sometimes with a cool breeze. Mekligunge had less rain than the other sub-divisions last week. This week it has made up its average with 9·92 inches. 5·69 inches registered at Dinhatta, and 1·3 inches at Mathabhanga. State and prospects of the crops are generally good. All the crops the Deputy Commissioner has seen look well, and the reports from the sub-divisions say the same. The Dewan reports that ripe *cheena* has been somewhat damaged, but the district officer has seen all to have looked well. Some fine weather is now desirable. Public health continues good. No cholera is reported as yet. |
| | *Eastern Districts.* | | |
| DACCA DIVS. 17 | Dacca, June 4* '77 | 2·01 | Weather—Seasonable. The rains have fairly set in, and the crops are very favorable. The rivers rose suddenly about ten days ago, but are falling again. No damage to speak of. |
| 18 | Furreedpore, „ 3 „ | ·57 | Weather—Still unusually wet for the season of the year. In the intervals of fair weather it has been very hot. ·55 of an inch of rain registered at Madaripore. The general prospects of the crops are fair. The crops on the uplands promise to be very good, but the low lands have in some places become water-logged so as to be incapable of cultivation. |
| 19 | Backergunge, May 31 „ | 1·42 | The sub-divisional officer of Dakhin Shabazpore thus reports:—"All accounts agree in representing the prospect of *aous* to be very fair. An unusually large proportion of land is sown with *aous*, and a bumper crop is expected." Ploughing is very actively carried on all over the district. During the week showers of rain have been general, and the heat has been great. Cholera and fever in a sporadic form still continue, but the district is generally healthier than it was. The cattle everywhere are remarkably healthy. |
| 20 | Mymensingh, „ 1 „ | ·95 | Weather—Seasonable. There was a severe storm in the Kishoregunge sub-division during the week, which did much mischief to trees, houses, and cattle, and caused some loss of human life. State and prospects of the crops are fair. |
| 21 | Tipperah, „ 1 „ | 1·52 | Weather—Fine and hot with occasional storms. Preparations for the autumn and winter rice crops are being made, and the prospects on the whole are good. |
| CHITTAGONG DIVS. 22 | Chittagong, May 31 '77 | ·55 | Weather—Very hot, with high wind and rain on the 26th May. The state and prospects of the crops are good, but more rain is wanted. *Pania aous* is getting on fairly. Cholera continues to be reported on from several stations. |
| 23 | Noakholly, „ 31 „ | ·23 | Weather—Hot during the week. The sowing of early and late rice crops is still going on. Prospects are good. Stray cases of cholera are reported from Dalal Bazar, and fever is prevalent in the Fenny sub-division. |
| 24 | Chittagong Hill Tracts, „ 29 „ | 1·6 | Weather—Very hot throughout the week. Heavy showers of rain on the 26th May. The hill people are busily engaged in sowing. Cholera is still prevalent in the Chengri Valley. |
| | Hill Tipperah, „ 30 „ | 1·25 | Weather—Close. Rain fell on the 26th and 28th May. Ploughing for the early rice crop is going on. |
| BEHAR. | | | |
| PATNA DIVS. 25 | Patna, May 4 '77 | 2·07 | Heavy rain in the beginning of the week has done some damage to the crops in the threshing floors. Lands are now being prepared for sowing paddy. Sugarcane and *cheena* are growing splendidly. Sporadic cases of cholera are reported throughout the district. |
| 26 | Gya, June 2 „ | ·46 | Wind for the most part easterly. Maximum reading of the thermometer in the shade 104·2°. ·03 of an inch of rain registered at Jehanabad. Preparation of the fields for the rainy season crops is going on. *Makoi* is already sown in places. Public health is fairly good. |
| 27 | Shahabad, „ 2 „ | 1·15 | Weather—Hot, with east wind. There was a sharp and severe storm and heavy rain on the night of the 29th May. The prospects of sugarcane and *cheena* continue promising. |

* Telegram of the 4th June show rainfall during the seven days immediately preceding.

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| BEHAR.—(*Continued.*) | | | |
| PATNA DIVS. | | | |
| 28 | Durbhunga, June 1 '77 | 1·16 | Weather—East winds in the early part of the week. A good shower on the 1st instant. The rain has done much good to the crops on the ground, and has facilitated ploughing. |
| 29 | Mozufferpore, „ 2 „ | 2·09 | Weather—Variable. A heavy shower of rain (1·80 inches) fell at head-quarters on the 1st instant. The rainfall at Seetamurhee is reported to have been ·42 of an inch, and at Hajeepore .5 of an inch during the week. The rice crops are in a promising condition. The rains have done immense good to the lands, and the crops have greatly benefited by them. A few cases of cholera have been reported from different parts of the district. Small-pox is reported in Belsund outpost. Otherwise the general health is good. |
| 30 | Sarun, „ 2 „ | ·45 | Weather—Close and oppressive, with east wind prevailing, probably due to the excessive rain in Northern Bengal last week. There was a good shower of rain in the Sudder Station on the afternoon of the 26th instant, and more or less fell in some parts of the district. *Cheena* is fast ripening, and is being harvested in some places. The rain has improved the prospects of indigo and sugarcane generally. Land is being prepared for the *bhadoi* crops, and sowings have commenced on a very small scale in Baniapore and Kochaikote outposts. |
| 31 | Chumparun, „ 2 „ | ·84 | Weather—Seasonable. There was a very heavy fall of rain on the 1st instant, which will benefit the *cheena* crop, and do much good in moistening the lands for the *bhadoi* and early rice sowings. |
| BHAGULPORE DIVS. | | | |
| 32 | Monghyr, „ 2 „ | ·11 | Weather—Windy and stormy, with rain. Ploughing for *janera* and early crop is going on. All other crops are out of the ground. |
| 33 | Bhagulpore, „ 4* „ | ·51 | Weather—Variable. Prospects of the crops are excellent. |
| 34 | Purneah, „ 2 „ | 1·58 | Weather—Stormy. .28 inch of rain registered at Kissengunge and ·25 inch at Arrareah. The rain of last week, though it has done some damage in the low lands, has been on the whole very beneficial. Weeding is in progress. The jute crop is well reported of in Kissengunge. |
| 35 | Maldah, „ 2 „ | ·06 | Weather—Hot, with occasional showers. State and prospects of the crops continue to be satisfactory. Cholera has much abated. Seven deaths from small-pox reported during the week. |
| 36 | Sonthal Pergha, „ 3 „ | ·41 | Weather—Occasional storms of wind or rain. ·19 of an inch of rain registered at Deoghur. Cultivation is going on. |
| ORISSA. | | | |
| ORISSA DIVS. | | | |
| 37 | Cuttack, June 2 '77 | ·47 | Weather—Occasional storms, but on the whole hot and close. The sowing of *beali* and *sarud* crops is progressing favorably. General health is good. |
| 38 | Pooree, May 31 „ | ·11 | Weather—Very hot, but occasionally cloudy. ·04 of an inch of rain fell at Khoordah. Ploughing and sowing are going on well throughout the district. The prospects of miscellaneous crops are good. Public health is good. |
| 39 | Balasore, June 1 „ | ·33 | Weather—Very variable; generally hot and bright in the morning, but dark and cloudy in the afternoon. The sowings of early rice are in general progress. Cholera still exists here and there throughout the district. |
| CHOTA NAGPORE. | | | |
| | *South-West Frontier Agency.* | | |
| 40 | Hazareebagh, June 1 '77 | Nil | Weather—Seasonable; very hot. The rice sowings have begun all over the district. General health is good. |
| 41 | Lohardugga, „ 2 „ | Nil | Weather—Seasonable. No rain fell either at Palamow or in the sudder sub-division, except in two places. The early rice crop looks well. There have been a few more cases of small-pox in the sudder sub-division and in Palamow, but no more cholera or cattle disease has occurred. |
| 42 | Singbhoom, „ 1 „ | Nil | Weather—Seasonable. Agricultural operations are very active. The district is healthy. |
| 43 | Manbhoom, „ 2 „ | ·69 | Weather—Seasonable. Heat of a forenoon and storms of wind with rain of an afternoon making the nights cool. Indian corn, sugarcane, and highland rice are doing well. |

* Telegram of the 4th June shows rainfall during the seven days immediately preceding.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
*The 5th June 1877.*

H. J. S. COTTON,
*Jr. Secy. to the Govt. of Bengal.*

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Divisions. | Districts. | Stations. | Rain from 12th to 19th May 1877. | Rain from 20th to 26th May 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL. | | | Inches. | Inches. | Inches. | | |
| | Western Districts. | | | | | | |
| Burdwan. | Burdwan ... ... | Burdwan ... ... | 2·04 | 0·57 | 8·83 | 26th May | |
| | | Cutwa ... ... | 0·31 | 0·60 | 10·25 | ditto | |
| | | Culna ... ... | 0·94 | 0·11 | 8·76 | ditto | |
| | | Bood-Bood ... ... | 0·62 | 0·49 | 6·17 | ditto | |
| | | Raneegunze ... ... | 1·41 | 0·67 | 6·28 | ditto | |
| | | Jehanabad ... ... | 3·45 | 0·22 | 11·47 | ditto | |
| | Bankoora ... ... | Bankoora ... ... | 1·51 | 0·11 | 7·34 | ditto | |
| | Beerbhoom ... ... | Sooree ... ... | 1·00 | 0·30 | 7·67 | ditto | |
| | | Hetampore ... ... | 0·35 | 0·76 | 8·87 | ditto | |
| | | Moypore ... ... | 0·20 | 1·11 | 6·78 | ditto | |
| | Midnapore ... ... | Midnapore ... ... | 2·45 | 0·59 | 14·10 | ditto | |
| | | Tumlook ... ... | 0·91 | 0·13 | 9·89 | ditto | |
| | | Ghattal ... ... | 1·53 | 0·17 | 10·48 | ditto | |
| | | Contai { Dy. Collr.'s Office... | 1·68 | 0·62 | 12·85 | ditto | |
| | | Contai { Exe. Engr.'s Office | 1·50 | Not rec. | 13·82 | 19th May | |
| | Hooghly ... ... | Hooghly ... ... | 1·10 | 0·93 | 10·82 | 26th May | |
| | | Serampore ... ... | 1·48 | 0·20 | 11·55 | ditto | |
| | Howrah ... ... | Howrah ... ... | 2·15 | 0·52 | 14·17 | ditto | |
| | | Maheshrekha ... ... | 1·28 | 0·39 | 10·03 | ditto | |
| | Central Districts. | | | | | | |
| Presidency. | 24-Pergunnahs ... | Saugor Island ... ... | 3·14 | 0·10 | 13·04 | ditto | |
| | | Calcutta ... ... | 1·93 | 0·25 | 12·53 | ditto | |
| | | Alipore { Dispensary ... | 2·60 | 0·26 | 13·31 | ditto | |
| | | Alipore { Jail ... ... | 2·55 | 1·35 | 14·64 | ditto | |
| | | Busseerhat ... ... | 2·26 | Nil | 11·57 | ditto | |
| | | Baraset ... ... | 0·84 | 0·40 | 10·70 | ditto | |
| | | Diamond Harbour ... | 1·04 | 0·18 | 15·72 | ditto | |
| | | Barripore ... ... | 1·31 | 0·08 | 14·62 | ditto | |
| | | Satkhira ... ... | 2·20 | 0·80 | 20·92 | ditto | |
| | | Barrackpore ... ... | 1·40 | 0·20 | 10·85 | ditto | |
| | | Dum-Dum ... ... | 1·25 | 0·23 | 11·06 | ditto | |
| | | Kishnaghur ... ... | 1·36 | 0·48 | 15·16 | ditto | |
| | | Pongong ... ... | 0·35 | 0·49 | 11·90 | ditto | |
| | Nuddea ... ... | Meherpore ... ... | 0·62 | 0·50 | 12·83 | ditto | |
| | | Chooadanga ... ... | 2·63 | 0·09 | 16·37 | ditto | |
| | | Kooshtea ... ... | 3·51 | 0·27 | 13·39 | ditto | |
| | | Ranaghat ... ... | 1·77 | 0·42 | 11·37 | ditto | |
| | Jessore ... ... | Jessore ... ... | 1·96 | 0·23 | 16·59 | ditto | |
| | | Narrail ... ... | 1·44 | 0·60 | 14·11 | ditto | |
| | | Khoolna ... ... | 1·08 | 0·50 | 21·00 | ditto | |
| | | Jhenida ... ... | 0·90 | 0·05 | 15·91 | ditto | |
| | | Bagirhat ... ... | 5·15 | Nil | 25·99 | ditto | |
| | | Magoorah ... ... | 2·88 | 1·62 | 20·31 | ditto | |
| | Moorshedabad ... | Berhampore ... ... | 0·16 | 0·92 | 9·84 | ditto | |
| | | Bamporehant ... ... | 0·45 | 0·35 | 8·22 | ditto | |
| | | Lallbagh ... ... | 0·40 | 0·99 | 11·14 | ditto | |
| | | Jungypore ... ... | 0·28 | 0·25 | 9·13 | ditto | |
| | | Azimgunge ... ... | 0·36 | 0·82 | 10·46 | ditto | |
| | | Lalligolla ... ... | 0·18 | 0·61 | 10·38 | ditto | |
| | | Kandee ... ... | 0·32 | 0·42 | 8·48 | ditto | |
| Rajshahye. | Dinagepore ... ... | Dinagepore ... ... | 0·90 | 12·09 | 17·01 | ditto | |
| | | Raigunge ... ... | 0·43 | 8·27 | 15·40 | ditto | |
| | Maldah ... ... | Maldah ... ... | 0·26 | 6·33 | 12·50 | ditto | |
| | | Chanchal ... ... | 0·50 | 8·09 | 14·15 | ditto | |
| | Rajshahye ... ... | Baulesh ... ... | 0·41 | 1·94 | 13·07 | ditto | |
| | | Nattore ... ... | 0·44 | 1·03 | 9·46 | ditto | |
| | Rungpore ... ... | Rungpore ... ... | 0·45 | 15·73 | 25·25 | ditto | |
| | | Bhowanigunge ... ... | 0·98 | 4·04 | 12·03 | ditto | |
| | | Kurigram ... ... | 0·88 | Not rec. | 12·91 | 19th May | |
| | | Bagoogra ... ... | 0·16 | 15·83 | 24·08 | 26th May | |
| | Bogra ... ... | Bogra ... ... | 0·96 | 4·09 | 10·44 | ditto | |
| | | Sherpore ... ... | 3·84 | 1·34 | 12·78 | ditto | |
| | | Nowkhilla ... ... | 1·65 | 1·20 | 7·61 | ditto | |
| | | Panchbibi ... ... | 2·39 | 2·97 | 9·08 | ditto | |
| | | Halulya ... ... | 1·01 | 3·92 | 8·56 | ditto | |
| | Pubna ... ... | Pubna ... ... | 2·63 | 0·11 | 18·91 | ditto | |
| | | Serajgunge ... ... | 1·40 | 1·10 | 10·56 | ditto | |
| Cooch Behar. | Darjeeling ... ... | Darjeeling { Telegraph Office | 0·33 | Not rec. | 14·19 | 19th May | |
| | | Darjeeling { Hospital ... | 0·49 | 5·27 | 20·67 | 26th May | |
| | Julpigoree ... ... | Julpigoree ... ... | 1·22 | 8·17 | 18·33 | ditto | |
| | | Bodah ... ... | 1·68 | 8·52 | 20·08 | ditto | |
| | | Buxa—Civil Surgeon's Office | 2·09 | 12·47 | 33·66 | ditto | |
| | | Titalya ... ... | 1·42 | 5·52 | 20·19 | ditto | |
| | Cooch Behar Tributary States. | Cooch Behar ... ... | 1·34 | 14·12 | 31·86 | ditto | |

| Divisions. | Districts. | Stations. | Rain from 13th to 19th May 1877. | Rain from 20th to 26th May 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL—(*Continued.*) | | | | | | | |
| | Eastern Districts. | | Inches. | Inches. | | 1877. | |
| Dacca. | Dacca ... ... | Dacca... Telegraph Office... | 1·92 | Not rec. | 12·98 | 19th May | |
| | | Dacca... Hospital ... | 2·42 | 1·23 | 20·15 | 26th May | |
| | | Moonsheegunge ... ... | 5·65 | 0·63 | 35·39 | ditto | |
| | | Manickgunge ... ... | 0·53 | 0·61 | 14·69 | ditto | |
| | Furreedpore ... ... | Furreedpore ... ... | 1·22 | 0·97 | 16·72 | ditto | |
| | | Goalundo ... ... | 1·39 | 0·99 | 14·03 | ditto | |
| | | Madaripore ... ... | 1·37 | 1·22 | 19·20 | ditto | |
| | Backergunge ... | Burrisal ... ... | 2·67 | 1·43 | 28·52 | ditto | |
| | | Perozepore ... ... | 3·35 | 0·70 | 20·04 | ditto | |
| | | Patookhally ... ... | 3·67 | 0·92 | 22·06 | ditto | |
| | | Bhola ... ... | 2·27 | 3·95 | 14·81 | ditto ... | From 4th February. |
| | Mymensingh ... | Mymensingh ... ... | 5·47 | 2·19 | 17·53 | ditto | |
| | | Jamalpore ... ... | 3·39 | 1·98 | 13·32 | ditto | |
| | | Atia ... ... ... | 2·71 | 0·40 | 15·56 | ditto | |
| | | Kishoregunge ... ... | 3·08 | 4·00 | 21·80 | ditto | |
| Chittagong. | Chittagong ... ... | Chittagong Telegraph Office | 2·80 | 1·00 | 14·99 | ditto | |
| | | Chittagong Jail ... | 3·12 | 1·61 | 14·51 | ditto | |
| | | Cox's Bazar ... ... | 3·58 | 2·42 | 12·60 | ditto | |
| | Noakholly ... ... | Noakholly ... ... | 2·35 | 0·75 | 16·53 | ditto | |
| | | Fenny ... ... | 2·57 | 0·97 | 17·44 | ditto | |
| | Tipperah ... ... | Comillah ... ... | 3·98 | 1·31 | 25·60 | ditto | |
| | | Brahmunbariah ... ... | 3·98 | 2·02 | 27·38 | ditto | |
| | Chittagong Hill Tracts | Rungamatee Hill ... | 1·63 | 3·30 | 19·05 | ditto | |
| | Hill Tipperah ... ... | Hill Tipperah ... ... | 4·88 | 1·95 | 28·30 | ditto | |
| BEHAR. | | | | | | | |
| Patna. | Patna ... ... | Patna ... ... | 0·03 | 2·48 | 6·49 | ditto | |
| | | Behar ... ... | 0·96 | 7·57 | 13·15 | ditto | |
| | | Barh ... ... | 0·01 | 8·55 | 11·85 | ditto | |
| | | Dinapore ... Jail ... | Nil | 1·62 | 4·99 | ditto | |
| | | Dinapore ... Cantonment... | ditto | 1·04 | 3·96 | ditto | |
| | Gya ... ... | Gya ... ... | 0·72 | 9·68 | 14·84 | ditto | |
| | | Nowadah ... ... | Nil | 10·03 | 14·07 | ditto ... | Not recorded 18th to 24th February. |
| | | Aurungabad ... ... | 0·05 | 8·68 | 10·31 | ditto ... | Not recorded 12th Jan. and 4th to 10th February. |
| | | Jehanabad ... ... | 0·10 | 4·50 | 10·86 | ditto | |
| | Shahabad ... ... | Arrah ... ... | 0·05 | 1·42 | 9·01 | ditto | |
| | | Sasseram ... ... | 1·67 | Not rec. | 6·96 | 19th May | |
| | | Buxar ... ... | Nil | 0·24 | 6·94 | 26th May | |
| | | Bhaboosh ... ... | ditto | Nil | 5·91 | ditto ... | Not recd. 6th to 12th May. |
| | Mozufferpore... ... | Mozufferpore ... ... | ditto | Not rec. | 4·08 | 19th May | |
| | | Hajeepore ... ... | 0·02 | ditto | 4·22 | ditto | |
| | | Seetamurhee ... ... | Nil | ditto | 6·59 | ditto | |
| | Durbhunga ... ... | Durbhunga ... ... | ditto | 1·47 | 6·17 | 26th May | |
| | | Mudhoobunnee ... ... | ditto | 1·35 | 6·76 | ditto | |
| | | Tajpore ... ... | ditto | 2·02 | 6·20 | ditto | |
| | Sarun ... ... | Chupra ... ... | ditto | 0·66 | 5·55 | ditto | |
| | | Sewan ... ... | ditto | 0·90 | 6·81 | ditto | |
| | Chumparun ... ... | Motiharee ... ... | ditto | Nil | 7·39 | ditto | |
| | | Bettiah ... ... | ditto | ditto | 9·88 | ditto | |
| | | Segowlie ... ... | ditto | ditto | 9·60 | ditto | |
| Bhagulpore. | Monghyr ... ... | Monghyr ... ... | 2·50 | 4·16 | 9·82 | ditto | |
| | | Begusarai ... ... | 0·65 | 3·78 | 7·42 | ditto ... | Not recorded 6th to 12th May. |
| | | Jamooee ... ... | Nil | 5·14 | 10·92 | ditto | |
| | Bhagulpore ... ... | Bhagulpore ... ... | 2·35 | 6·55 | 12·50 | ditto | |
| | | Soopool ... ... | Nil | 2·70 | 6·43 | ditto | |
| | | Muddehpoora ... ... | ditto | 2·40 | 7·34 | ditto | |
| | | Banka ... ... | ditto | 2·20 | 7·14 | ditto | |
| | | Sonbursa ... ... | 0·11 | 3·43 | 6·81 | ditto | |
| | Purneah ... ... | Purneah ... ... | Nil | 5·94 | 11·84 | ditto | |
| | | Kissengunge ... ... | 0·32 | 5·11 | 12·66 | ditto | |
| | | Arrareah ... ... | Nil | 5·10 | 12·78 | ditto | |
| | Sonthal Pergunnahs | Nya Doomka ... ... | 0·76 | 1·27 | 10·44 | ditto | |
| | | Rajmahal ... ... | Nil | 9·20 | 12·90 | ditto | |
| | | Deoghur ... ... | ditto | 2·56 | 12·01 | ditto | |
| | | Godda ... ... | ditto | 3·80 | 7·27 | ditto | |

| Divisions. | Districts. | Stations. | | Rain from 13th to 19th May 1877. | Rain from 20th to 26th May 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up-to-date. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| ORISSA. | | | | Inches. | Inches. | | 1877. | |
| Orissa. | Cuttack ... ... | Cuttack... | Telegraph Office | 2·80 | 0·50 | 11·30 | 26th May | |
| | | | Hospital ... | 2·81 | 0·58 | 11·76 | ditto | |
| | | Jajpore ... ... | | 2·95 | 0·60 | 17·10 | ditto | |
| | | Kendraparah ... ... | | 2·5[illegible] | 0·10 | 14·20 | ditto | |
| | | Jugutsingpore ... ... | | 1·50 | 0·30 | 6·95 | ditto | |
| | | False Point ... ... | | 2·65 | 0·35 | 34·65 | ditto | |
| | Pooree ... ... | Pooree ... ... | | 2·16 | 0·31 | 9·09 | ditto | |
| | | Khurdah ... ... | | 2·83 | 0·65 | 12·22 | ditto | |
| | Balasore ... ... | Balasore... | Exe. Engr.'s Office | 2·50 | 0·30 | 10·66 | ditto | |
| | | | Collector's Office | 3·39 | 0·30 | 11·25 | ditto | |
| | | Bhadrack ... ... | | 4·47 | 0·70 | 20·15 | ditto | |
| | | Jellasore ... ... | | 2·39 | 0·23 | 13·15 | ditto | |
| | | Serah ... ... | | 2·48 | 0·14 | 14·66 | ditto | |
| | | Chandbally ... ... | | 1·28 | 0·48 | 16·43 | ditto | |
| | Cuttack Tributary Mehals | Sumbulpore ... ... | | 1·48 | 0·06 | 8·10 | ditto | |
| | CHOTA NAGPORE. | | | | | | | |
| | SOUTH-WESTERN FRONTIER AGENCY. | | | | | | | |
| | Hazareebagh ... | Hazareebagh... | Jail ... | 0·02 | 1·14 | 8·78 | ditto | |
| | | | Dispensary | Nil | 1·28 | 11·74 | ditto | |
| | | Pachumba ... ... | | ditto | 1·57 | 9·03 | ditto | |
| | Lohardugga ... ... | Ranchee ... ... | | 0·74 | 0·71 | 13·53 | ditto ... | Not recd. 6th to 12th May. |
| | | Palamow ... ... | | 0·15 | 4·65 | 12·67 | ditto .. | ditto ditto. |
| | Singbhoom ... ... | Chyebassa ... ... | | 2·32 | 0·07 | 14·60 | ditto | |
| | Manbhoom ... ... | Purulia ... ... | | 4·78 | 0·63 | 13·21 | ditto | |
| | | Goviudpore ... ... | | 0·40 | 0·60 | 8·29 | ditto | |
| | ASSAM & ADJACENT HILLS. | | | | | | | |
| | Sylhet ... ... | Sylhet ... ... | | 7·33 | 7·73 | 29·71 | ditto | |
| | Seebsaugor ... ... | Seebsaugor ... ... | | 5·12 | Not rec. | 22·53 | 19th May | |
| | | Golaghat ... ... | | 3·63 | ditto | 21·04 | ditto | |
| | | Jorehaut ... ... | | 2·13 | ditto | 17·38 | ditto | |
| | | Deopanie ... ... | | 2·71 | ditto | 19·44 | ditto | |
| | | Hattiepootie ... ... | | 2·73 | ditto | 21·04 | ditto | |
| | | Mazengah ... ... | | 2·41 | ditto | 17·36 | ditto | |
| | | Nazegah ... ... | | 2·25 | ditto | 16·45 | ditto | |
| | | Suntock ... ... | | 2·50 | ditto | 19·38 | ditto | |
| | | Cherideo ... ... | | 1·83 | ditto | 21·87 | ditto | |
| | | Akyab ... ... | | 1·00 | 0·90 | 2·50 | 26th May | |
| | RAJPOOTANA ... | Alwar ... ... | | Nil | Nil | Nil | ditto | |
| | | Jaipur ... ... | | ditto | ditto | 2·05 | ditto | |
| | | Sambhar ... ... | | ditto | ditto | 1·92 | ditto | |

CALCUTTA,
*The 2nd June 1877.*

JOHN ELIOT,
*Meteorological Reporter to the Govt. of Bengal.*

## Abstract of Observations as received in the Meteorological Office, Calcutta, during the month of March 1877.

*N.B.—The Barometric data are reduced for temperatures and not for height above sea-level.*

| STATIONS. | Height above sea-level. | BAROMETER. Mean. | Mean of 10 hours. | Mean of 16 hours. | Range. | RADIATION THERMOMETER. Solar. Mean. | Above max. in shade. | Max. Day. | Max. ○ | Gross Nocturnal. Mean. | Below min. in shade. | Min. Day. | Min. ○ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seebsangor ... | 332 | 29·613 | 29·675 | 29·539 | ·136 | 130·0 | 51·4 | 24th | 141·2 | 54·7 | 2·4 | 8th | 47·6 |
| Goalpara ... | 386 | ·517 | ·580 | ·440 | ·140 | 137·2 | 53·3 | 30th | 148·5 | 58·5 | 4·8 | 18th | 51·7 |
| Darjeeling ... | 6,912 | 23·404 | 23·444 | 23·371 | ·074 | 117·9 | 58·5 | 12th | 133·1 | 33·2 | 10·9 | 6th | 26·0 |
| Purneah ... | 195 | 29·763 | 29·828 | 29·706 | ·122 | 149·6 | 59·4 | 27th | 157·7 | 54·2 | 6·7 | 5th | 41·9 |
| Durbhunga ... | 166·32 | ·628 | ·670 | ·587 | ·083 | 143·2 | 59·2 | 26th | 154·2 | 51·9 | 10·6 | 1st | 40·8 |
| Patna ... | 179 | ·715 | ·782 | ·661 | ·121 | 151·8 | 63·1 | 28th | 162·4 | 54·0 | 8·0 | 1st | 46·1 |
| Gya ... | 347 | ·541 | ·605 | ·468 | ·116 | 140·4 | 50·0 | 27th | 152·2 | 56·4 | 7·3 | 1st | 45·9 |
| Hazareebagh... | 2,010 | 27·890 | 27·941 | 27·845 | ·096 | 143·2 | 58·5 | 22nd | 153·9 | 64·2 | 7·5 | 19th | 49·0 |
| Berhampore ... | 64 | 29·841 | 29·922 | 29·779 | ·143 | ... | ... | ... | ... | ... | ... | ... | ... |
| Burdwan ... | 99·09 | ·792 | ·860 | ·740 | ·120 | 151·7 | 59·7 | 27th | 158·3 | ... | ... | ... | ... |
| Jessore ... | 20 | ·874 | ·949 | ·817 | ·132 | 140·8 | 58·0 | 26th | 157·3 | 60·5 | 7·2 | 1st | 44·7 |
| Dacca ... | 35 | ·885 | ·950 | ·825 | ·125 | 158·1 | 70·5 | 18th | 171·0 | 57·3 | 10·2 | 1st | 42·4 |
| Silchar ... | 87·40 | ·852 | ·923 | ·789 | ·134 | 141·7 | 59·5 | 27th | 151·3 | 57·5 | 5·3 | 3rd | 46·0 |
| Chittagong ... | 90 | ·861 | ·917 | ·815 | ·102 | 144·6 | 59·1 | 12 & 24 to 27th | 148·3 | 56·1 | 8·8 | 1 & 3rd | 47·4 |
| Calcutta ... | 18·11 | ·900 | ·964 | ·843 | ·137 | 142·5 | 54·3 | 19th | 149·0 | ... | ... | ... | ... |
| Saugor Island | 6 | ·913 | ·972 | ·865 | ·107 | 143·3 | 58·8 | 5th | 149·7 | 69·8 | 4·8 | 1st | 57·8 |
| Cuttack ... | 80 | ·843 | ·908 | ·773 | ·135 | 151·9 | 55·5 | 29th | 158·3 | ... | ... | ... | ... |
| False Point ... | 18·7 | ·928 | ·985 | ·878 | ·107 | ... | ... | ... | ... | ... | ... | ... | ... |
| Vizagapatam... | 31 | ·917 | ·985 | ·866 | ·119 | 113·4 | 28·2 | 28th | 119·0 | ... | ... | ... | ... |
| Madras ... | 22 | ·943 | 30·007 | ·883 | ·124 | 143·6 | 54·4 | 26th | 149·6 | 69·2 | 2·5 | 11th | 60·7 |
| Akyab ... | 21 | ·940 | 29·999 | ·892 | ·107 | 151·0 | 62·4 | 31st | 163·5 | 50·6 | 14·4 | 1st | 39·0 |
| Port Blair ... | 61 | ·895 | ·948 | ·842 | ·106 | 145·6 | 56·8 | 7th | 152·1 | 68·6 | 5·8 | 21 & 22nd | 63·7 |
| Nancowry ... | 78 | ·863 | ·918 | ·809 | ·109 | 149·5 | 61·6 | 30th | 157·9 | 74·2 | 4·7 | 6, 7, 11, 21, 29, & 30th | 72·2 |
| Roorkee ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Allahabad ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| STATIONS. | TEMPERATURE OF AIR. Mean of max. | Mean daily range. | Mean of min. | Mean. | Mean of 10 hours. | Mean of 16 hours. | Highest Max. Day. | Highest Max. ○ | Absolute range. | Lowest Min. Day. | Lowest Min. ○ | VAPOUR TENSION. Mean. | From minima. | Mean of 10 hours. | Mean of 16 hours. | HUMIDITY. Mean. | From minima. | Mean of 10 hours. | Mean of 16 hours. | RAIN-FALL. In inches. | Number of days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seebsangor ... | 78·6 | 20·0 | 58·6 | 67·2 | 68·4 | 75·8 | 27th | 86·1 | 39·8 | 4th | 46·3 | ... | ·469 | ·528 | ·521 | ... | 94 | 77 | 60 | 5·62 | 14 |
| Goalpara ... | 83·7 | 20·4 | 63·3 | 72·7 | 75·1 | 80·8 | 29th | 90·4 | 34·3 | 18th | 56·1 | ... | ·461 | ·505 | ·450 | ... | 79 | 59 | 45 | 2·78 | 7 |
| Darjeeling ... | 59·4 | 15·4 | 44·0 | 50·8 | 52·9 | 54·6 | 23rd | 66·2 | 29·7 | 17 & 18th | 36·5 | ... | ·231 | ·268 | ·284 | ... | 80 | 69 | 68 | 1·43 | 8 |
| Purneah ... | 90·5 | 26·3 | 64·2 | 76·9 | 78·7 | 86·0 | 23 & 28th | 95·7 | 37·0 | 27th | 58·7 | ... | ·503 | ·488 | ·414 | ... | 82 | 51 | 35 | 0·19 | 1 |
| Durbhunga ... | 84·0 | 21·4 | 62·4 | 72·9 | 78·8 | 83·7 | 28th | 91·8 | 36·5 | 1st | 55·3 | ... | ·473 | ·486 | ·449 | ... | 84 | 52 | 40 | 0·20 | 1 |
| Patna ... | 88·8 | 26·8 | 62·0 | 76·0 | 79·7 | 85·4 | 30th | 96·4 | 41·7 | 1st | 54·7 | ... | ·438 | ·449 | ·398 | ... | 78 | 45 | 33 | 0·24 | 4 |
| Gya ... | 90·4 | 26·7 | 63·7 | 77·8 | 82·2 | 86·0 | 29th | 95·6 | 41·0 | 1st | 54·6 | ... | ·489 | ·388 | ·418 | ... | 74 | 37 | 35 | 0·37 | 3 |
| Hazareebagh... | 84·8 | 23·1 | 61·7 | 72·8 | 77·9 | 82·4 | 22nd | 92·4 | 38·4 | 17th | 54·0 | ·333 | ·348 | ·320 | ·298 | 42 | 61 | 35 | 28 | 0·76 | 6 |
| Berhampore ... | 91·5 | 26·3 | 65·2 | 76·1 | 80·4 | 88·0 | 22 & 23rd | 98·7 | 49·5 | 1st | 56·2 | ... | ·540 | ·520 | ·462 | ... | 86 | 52 | 36 | 0·32 | 2 |
| Burdwan ... | 92·0 | 23·3 | 68·7 | 79·2 | 83·1 | 90·7 | 22nd | 100·4 | 41·0 | 1st | 59·4 | ... | ·574 | ·649 | ·580 | ... | 81 | 58 | 41 | 1·54 | 8 |
| Jessore ... | 89·9 | 22·1 | 67·8 | 77·4 | 81·7 | 87·3 | 22rd | 99·1 | 43·2 | 1st | 55·9 | ... | ·610 | ·705 | ·650 | ... | 89 | 66 | 50 | 2·51 | 8 |
| Dacca ... | 87·9 | 20·4 | 67·5 | 78·4 | 80·6 | 85·8 | 21st | 91·9 | 34·7 | 1st | 57·2 | ... | ·599 | ·664 | ·583 | ... | 88 | 64 | 48 | 3·08 | 12 |
| Silchar ... | 83·1 | 19·3 | 62·8 | 73·5 | 74·6 | 81·8 | 15th | 88·6 | 33·3 | 3rd | 55·2 | ... | ·534 | ·624 | ·584 | ... | 92 | 73 | 55 | 10·40 | 14 |
| Chittagong ... | 85·5 | 20·6 | 64·9 | 75·9 | 79·9 | 82·9 | 17 & 18th | 89·5 | 31·2 | 8th | 58·3 | ... | ·572 | ·656 | ·639 | ... | 90 | 64 | 57 | 1·94 | 4 |
| Calcutta ... | 88·2 | 15·5 | 72·7 | 79·5 | 81·3 | 87·2 | 22nd | 93·9 | 27·9 | 1st | 66·0 | ·712 | ·670 | ·714 | ·666 | 69 | 83 | 66 | 51 | ·68 | 5 |
| Saugor Island | 84·5 | 9·9 | 74·6 | 79·8 | 81·6 | 82·8 | 14th | 88·5 | 24·6 | 17th | 63·9 | ·804 | ·770 | ·788 | ·801 | 78 | 89 | 73 | 71 | 0·76 | 3 |
| Cuttack ... | 96·4 | 24·5 | 71·9 | 84·0 | 85·9 | 92·6 | 22nd | 103·2 | 39·0 | 1st | 64·2 | ... | ·731 | ·657 | ·505 | ... | 93 | 53 | 33 | 0·88 | 2 |
| False Point ... | ... | ... | ... | 79·3 | 81·0 | 81·7 | ... | ... | ... | ... | ... | ·813 | ... | ·809 | ·827 | 82 | ... | 77 | 77 | 0·75 | 2 |
| Vizagapatam... | 85·3 | 6·1 | 79·2 | 82·5 | 84·1 | 84·0 | 29th | 88·0 | 16·0 | 1st | 72·0 | ·764 | ·542 | ·735 | ·762 | 69 | 54 | 62 | 65 | 1·60 | 2 |
| Madras ... | 89·1 | 17·4 | 71·7 | 79·8 | 85·6 | 84·3 | 28th | 91·8 | 26·7 | 11 & 12th | 64·8 | ... | ... | ... | ... | 68 | ... | 54 | 60 | 0·03 | 1 |
| Akyab ... | 88·6 | 23·0 | 65·6 | 76·3 | 82·9 | 83·0 | 14, 17, & 25th | 91·6 | 34·3 | 1st | 57·3 | ... | ·609 | ·679 | ·711 | ... | 95 | 60 | 63 | Nil. | ... |
| Port Blair ... | 88·8 | 14·3 | 74·5 | 80·7 | 84·2 | 87·0 | 28th | 92·1 | 22·2 | 5th | 69·9 | ... | ·849 | ·885 | ·883 | ... | 99 | 76 | 69 | 0·73 | 1 |
| Nancowry ... | 87·9 | 9·0 | 78·9 | 82·4 | 86·0 | 85·8 | 26th | 90·1 | 13·8 | 11 & 12th | 76·3 | ... | ·849 | ·864 | ·859 | ... | 83 | 69 | 70 | 0·90 | 6 |
| Roorkee ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Allahabad ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

CALCUTTA—MARCH 1877.

| | | | | | |
|---|---|---|---|---|---|
| Mean barometric pressure of 25 years ... | 29·856 | Mean temperature of 24 years ... | 80·6 | Mean humidity of 25 years ... | 67 |
| Ditto ditto of 1877 ... | 29·900 | Ditto ditto of 1877 ... | 79·5 | Ditto ditto of 1877 ... | 69 |
| Excess in 1877 ... | ·044 | Defect in 1877 ... | 1·1 | Excess in 1877 ... | 2 |

| | |
|---|---|
| Mean rainfall of 49 years ... | 1·34 |
| Actual fall in 1877 ... | 0·88 |
| Defect in 1877 ... | 0·46 |

CALCUTTA,
*The 4th June 1877.*

JOHN ELIOT,
*Meteorological Reporter to the Govt. of Bengal.*

*Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.*

| Stations. | Mean barometric pressure reduced to sea-level. | Mean temperature reduced to sea-level. | Wind. North. | North-east. | East. | South-east. | South. | South-west. | West. | North-west. | Calm. | Variable. | Percentage and Resultant. | Mean velocity daily. | Mean cloud. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seebsaugor ... | 29·959 | 67·9 | 3 | 15 | 17 | 7 | 4 | 4 | 5 | 4 | 3 | ... | 36 N, 78° E | 75·9 | 8·21 |
| Goalpara ... | ·915 | 73·6 | 4 | 8 | 16 | 5 | 1 | 1 | 17 | 6 | 4 | ... | 15 N, 21° E | 104·9 | 2·32 |
| Darjeeling ... | ..... | ... | ... | ... | ... | ... | ... | 14 | 39 | 9 | ... | ... | 89 S, 86° W | ..... | 5·24 |
| Purneah ... | 29·863 | 77·2 | 1 | 3 | 9 | 3 | ... | 8 | 34 | 2 | ... | ... | 47 S, 83° W | 96·7 | 2·35 |
| Durbhunga ... | ·801 | 73·3 | 2 | 1 | 10 | 4 | 1 | 14 | 27 | 3 | ... | ... | 44 S, 71° W | 108·5 | 4·40 |
| Patna ... | ·903 | 76·4 | ... | 1 | 6 | 3 | 2 | 4 | 40 | 2 | 4 | ... | 58 S, 82° W | 51·2 | 5·18 |
| Gya ... | ·893 | 78·6 | 1 | 5 | 2 | 2 | 1 | 2 | 44 | 4 | 1 | ... | 67 N, 85° W | 42·5 | 2·42 |
| Hazareebagh ... | ·928 | 77·3 | ... | ... | 2 | 2 | 3 | 10 | 25 | 20 | .. | ... | 69 N, 86° W | 174·9 | 4·45 |
| Serhampore ... | ·907 | 76·2 | 2 | 3 | 3 | 1 | 5 | 19 | 19 | 10 | ... | ... | 56 S, 77° W | ..... | 4·05 |
| Burdwan ... | ·895 | 79·4 | 7 | 2 | 1 | 1 | 12 | 9 | 18 | 12 | ... | ... | 48 S, 86° W | 84·7 | 3·60 |
| Jessore ... | ·895 | 77·4 | 1 | ... | ... | 4 | 17 | 20 | 6 | 14 | ... | ... | 58 S, 50° W | 75·4 | 3·92 |
| Dacca ... | ·922 | 78·5 | 3 | ... | ... | 4 | 23 | 19 | 4 | 4 | 2 | 2 | 62 S, 28° W | 106·5 | 4·73 |
| Silchar ... | ·942 | 73·7 | 2 | 7 | 18 | 3 | 3 | 7 | 5 | 1 | 16 | ... | 24 S, 81° E | 73·1 | 5·68 |
| Chittagong ... | ·955 | 76·1 | 1 | 5 | 8 | 3 | 8 | 14 | 13 | 4 | 6 | ... | 28 S, 44° W | 127·0 | 2·74 |
| Calcutta ... | ·919 | 79·5 | 6 | 3 | ... | 4 | 55 | 30 | 9 | 10 | ... | ... | 61 S, 27° W | 147·3* | ..... |
| Saugor Island | ·919 | 79·8 | 6 | 7 | 2 | 1 | 42 | 52 | 7 | 7 | ... | ... | 61 S, 33° W | 243·6 | 4·65 |
| Cuttack ... | ·926 | 84·2 | 8 | 3 | 2 | 2 | 18 | 11 | 9 | 9 | ... | ... | 33 S, 56° W | 97·8 | 3·32 |
| False Point ... | ·948 | 79·3 | 1 | 4 | 1 | 5 | 19 | 70 | 11 | 4 | ... | ... | 69 S, 41° W | ..... | 2·99 |
| Vizagapatam | ·949 | 82·6 | 1 | 1 | ... | 6 | 41 | 21 | 32 | 22 | ... | ... | 58 S, 53° W | 55·6 | 7·94 |
| Madras ... | ·966 | 79·8 | .. | ... | 12 | 47 | 3 | ... | ... | ... | ... | ... | 87 S, 52° E | 176·0 | 2·70 |
| Akyab ... | ·962 | 76·3 | 8 | 2 | 12 | 6 | 5 | 2 | 18 | 9 | ... | ... | 15 N, 58° W | 101·7 | 1·90 |
| Port Blair ... | ·958 | 80·8 | 4 | 36 | 22 | ... | ... | ... | ... | ... | ... | ... | 90 N, 58° E | ..... | 4·19 |
| Nancowry ... | ·944 | 82·6 | ... | 15 | 24 | 22 | 1 | ... | ... | ... | ... | ... | 81 S, 832° | ..... | 4·90 |
| Roorkee ... | ..... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... |
| Allahabad ... | ..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... |

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 17. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table,—"Prof. papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

*Temperature.*—The temperatures in column 3 are reduced from those in column 17 on the preceding page, by adding 1° Fahrenheit for every 500 feet.

*Wind Resultant.*—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

*Clouds.*—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above being all comparable, afford the data for constructing a meteorological chart for the month which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

JOHN ELIOT,

*Meteorological Reporter to the Govt. of Bengal.*

CALCUTTA,
*The 4th June* 1877.

## Meteorological Telegraphic Report for the period 27th May to 2nd June 1877.

| Stations. | Date. | Hour. | Barometer reduced to 32°. | Barometer reduced to sea-level. | Hygrometer. Dry. | Hygrometer. Wet. | Humidity Sat.=100. | Wind. Direction. | Wind. Velocity. | Rain. | Clouds. | Weather initials. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcutta. | May 27th | 10 | 29·75 | 29·693 | 87·5 | 79·7 | 70 | E by S | ..... | 1·16 | C | |
| | | 16 | 29·563 | 29·581 | 94·4 | 82·5 | 59 | S S W | ..... | ..... | ..... | b |
| | 28th | 10 | 29·744 | 29·742 | 90·3 | 79·7 | 62 | S S W | ..... | ..... | ..... | b |
| | | 16 | 29·627 | 29·645 | 95·8 | 81·9 | 53 | S | ..... | ..... | K | |
| | 29th | 10 | 29·780 | 29·798 | 87·8 | 77·7 | 62 | S by E | ..... | 0·09 | ..... | b |
| | | 16 | 29·653 | 29·671 | 94·3 | 80·7 | 54 | S S W | ..... | ..... | ..... | b |
| | 30th | 10 | 29·744 | 29·762 | 90·6 | 83·5 | 74 | S | ..... | ..... | K | |
| | | 16 | 29·678 | 29·696 | 93·2 | 80·7 | 57 | E | ..... | ..... | ..... | o |
| | 31st | 10 | 29·797 | 29·815 | 87·2 | 77·7 | 64 | S S W | ..... | 0·13 | C | |
| | | 16 | 29·661 | 29·679 | 94·6 | 80·3 | 51 | S S W | ..... | ..... | CS | |
| | June 1st | 10 | 29·710 | 29·728 | 89·0 | 77·3 | 57 | E S E | ..... | 0·01 | C | |
| | | 16 | 29·560 | 29·578 | 94·8 | 80·7 | 53 | S | ..... | ..... | ..... | b |
| | 2nd | 10 | 29·671 | 29·689 | 86·6 | 78·7 | 68 | S S W | ..... | ..... | ..... | b |
| | | 16 | 29·548 | 29·566 | 94·0 | 80·7 | 54 | S W | ..... | ..... | CS | |
| Saugor Island. | May 27th | 10 | 29·679 | 29·685 | 92 | 86 | 77 | W | 6·9 | ..... | PK | b, m |
| | | 16 | 29·566 | 29·572 | 92 | 85 | 74 | S S E | 9·3 | ..... | ..... | b, m |
| | 28th | 10 | 29·736 | 29·742 | 91 | 82 | 67 | S | 9·0 | 0·80 | KS | b |
| | | 16 | 29·622 | 29·628 | 90 | 84 | 77 | S | 9·3 | ..... | K | b, m |
| | 29th | 10 | 29·770 | 29·776 | 89 | 81 | 69 | S | 5·8 | ..... | KS | b |
| | | 16 | 29·668 | 29·674 | 91 | 83 | 70 | S S W | 7·4 | ..... | KS | b |
| | 30th | 10 | 29·752 | 29·758 | 89 | 84 | 80 | S S W | 9·1 | ..... | PK | b, m |
| | | 16 | 29·648 | 29·654 | 90 | 84 | 77 | S S E | 11·7 | ..... | PK | b, m |
| | 31st | 10 | 29·788 | 29·794 | 89 | 83 | 77 | N W | 5·8 | 1·10 | C | b, m |
| | | 16 | 29·670 | 29·676 | 90 | 84 | 77 | S | 8·2 | ..... | PK | b, m |
| | June 1st | 10 | 29·709 | 29·715 | 89 | 83 | 77 | S S E | 3·8 | ..... | PC | b, m |
| | | 16 | 29·582 | 29·588 | 90 | 83 | 73 | S S E | 8·9 | ..... | KS | b, m |
| | 2nd | 10 | 29·673 | 29·679 | 89 | 83 | 77 | S W | 3·8 | ..... | K | b, m |
| | | 16 | 29·560 | 29·566 | 92 | 83 | 67 | S S W | 7·1 | ..... | PC | b, m |
| Chittagong. | May 27th | 10 | 29·613 | 29·705 | 87 | 80 | 72 | S | 4·5 | ..... | ..... | b, v |
| | | 16 | 29·546 | 29·637 | 88 | 82 | 76 | W S W | 9·1 | ..... | CK | v |
| | 28th | 10 | 29·682 | 29·773 | 89 | 80 | 66 | E S E | 3·8 | ..... | ..... | b, m |
| | | 16 | 29·590 | 29·681 | 88 | 82 | 76 | S | 7·1 | ..... | ..... | o, y |
| | 29th | 10 | 29·705 | 29·796 | 91 | 83 | 70 | S S E | 3·7 | ..... | K | m |
| | | 16 | 29·590 | 29·681 | 89 | 81 | 69 | W S W | 7·6 | ..... | ..... | b, v |
| | 30th | 10 | 29·712 | 29·803 | 89 | 81 | 69 | S | 3·4 | ..... | PK | m |
| | | 16 | 29·607 | 29·698 | 90 | 81 | 66 | W | 10·1 | 0·10 | K, CS | v |
| | 31st | 10 | 29·719 | 29·810 | 91 | 81 | 63 | E | 3·3 | ..... | K, CS | v |
| | | 16 | 29·610 | 29·701 | 89 | 83 | 77 | S W | 10·1 | ..... | K, CS | v |
| | June 1st | 10 | 29·672 | 29·763 | 90 | 83 | 73 | S | 2·4 | ..... | K, CS | v |
| | | 16 | 29·541 | 29·632 | 90 | 80 | 63 | W S W | 8·3 | ..... | CS | v |
| | 2nd | 10 | 29·631 | 29·723 | 86 | 80 | 76 | S S W | 2·8 | 0·70 | CS | v |
| | | 16 | 29·544 | 29·635 | 88 | 81 | 73 | W S W | 8·2 | ..... | K, CS | v |
| Madras. | May 26th | 10 | 29·772 | 29·704 | 94 | 78 | 47 | W by S | 13 | ..... | ..... | b |
| | | 16 | 29·679 | 29·701 | 95 | 80 | 50 | E S E | 8 | ..... | ..... | b |
| | 27th | 10 | 29·823 | 29·845 | 96 | 79 | 45 | W | 9 | ..... | ..... | b |
| | | 16 | 29·693 | 29·715 | 91 | 80 | 60 | S E | 9 | ..... | ..... | b |
| | 28th | 10 | 29·829 | 29·851 | 94 | 80 | 52 | S W by W | 12 | ..... | ..... | be |
| | | 16 | 29·704 | 29·726 | 91 | 82 | 67 | S E by S | 12 | ..... | ..... | be |
| | 29th | 10 | 29·857 | 29·879 | 96 | 78 | 42 | S W | 10 | ..... | ..... | c |
| | | 16 | 29·754 | 29·776 | 91 | 82 | 67 | S E | 11 | ..... | ..... | c |
| | 30th | 10 | 29·565 | 29·587 | 94 | 78 | 47 | S W by W | 8 | ..... | ..... | b |
| | | 16 | 29·728 | 29·750 | 92 | 80 | 57 | S S E | 13 | ..... | ..... | b |
| | 31st | 10 | 29·870 | 29·892 | 94 | 77 | 44 | W S W | 7 | ..... | ..... | be |
| | | 16 | 29·761 | 29·783 | 90 | 78 | 56 | S E by S | 13 | ..... | ..... | c |
| | June 1st | 10 | 29·822 | 29·844 | 97 | 78 | 40 | W | 11 | ..... | ..... | b |
| | | 16 | 29·723 | 29·745 | 90 | 78 | 56 | S E | 10 | ..... | ..... | b |
| Cuttack. | May 27th | 10 | 29·578 | 29·638 | 96 | 82 | 53 | W | 3·1 | ..... | ..... | b |
| | | 16 | 29·489 | 29·568 | 104 | 78 | 28 | N | 2·7 | ..... | CK, C | |
| | 28th | 10 | 29·645 | 29·726 | 89 | 79 | 63 | W | 3·3 | 0·10 | PK, CK, C | |
| | | 16 | 29·518 | 29·597 | 98 | 79 | 41 | S S W | 5·7 | ..... | C, CK | c |
| | 29th | 10 | 29·685 | 29·766 | 91 | 82 | 67 | N | 2·9 | ..... | ..... | b |
| | | 16 | 29·557 | 29·636 | 98 | 82 | 48 | S S W | 4·2 | ..... | K, PK | w, t |
| | 30th | 10 | 29·657 | 29·737 | 94 | 81 | 55 | S W | 3·3 | 0·30 | C | c |
| | | 16 | 29·527 | 29·606 | 103 | 79 | 32 | W | 4·5 | ..... | KC | |
| | 31st | 10 | 29·718 | 29·800 | 87 | 82 | 80 | S W | 4·0 | ..... | PK | c |
| | | 16 | 29·575 | 29·654 | 98 | 83 | 51 | S S W | 3·2 | ..... | KC | |
| | June 1st | 10 | 29·620 | 29·706 | 94 | 83 | 61 | S S W | 2·4 | ..... | ..... | b |
| | | 16 | 29·466 | 29·545 | 103 | 82 | 39 | S S W | 5·5 | ..... | KC | |
| | 2nd | 10 | 29·609 | 29·690 | 90 | 80 | 63 | N E | 3·8 | ..... | CK, C | |
| | | 16 | 29·476 | 29·556 | 94 | 83 | 61 | N E | 3·6 | ..... | K, PK | w, t |
| Akyab. | May 27th | 10 | 29·717 | 29·738 | 89 | 80 | 66 | S S E | 1·8 | 1·00 | CK, N | |
| | | 16 | 29·592 | 29·613 | 88 | 81 | 73 | W S W | 3·3 | ..... | CK, N | |
| | 28th | 10 | 29·758 | 29·779 | 91 | 83 | 70 | E | 1·5 | ..... | CK, N | |
| | | 16 | 29·664 | 29·685 | 92 | 84 | 70 | W | 5·0 | ..... | CK | |
| | 29th | 10 | 29·790 | 29·812 | 80 | 69 | 55 | E | 2·1 | ..... | CK | |
| | | 16 | 29·686 | 29·707 | 90 | 82 | 70 | W S W | 6·1 | ..... | CK | |
| | 30th | 10 | 29·803 | 29·824 | 90 | 81 | 66 | E | 2·3 | ..... | CK, N | |
| | | 16 | 29·706 | 29·727 | 90 | 82 | 70 | W | 7·0 | ..... | CK | |
| | 31st | 10 | 29·810 | 29·831 | 90 | 82 | 70 | S S E | 2·5 | 0·40 | CK, N | |
| | | 16 | 29·709 | 29·730 | 89 | 82 | 73 | S W | 6·8 | ..... | CK, N | |
| | June 1st | 10 | 29·756 | 29·777 | 88 | 81 | 73 | E | 0·5 | 0·10 | CK, N | |
| | | 16 | 29·671 | 29·692 | 91 | 82 | 67 | W | 2·6 | ..... | CK, N | |
| | 2nd | 10 | 29·707 | 29·728 | 88 | 81 | 73 | S E | 2·7 | 0·20 | CK, N | |
| | | 16 | 29·636 | 29·656 | 87 | 80 | 72 | S | 5·1 | ..... | CK, N | |

* Velocity of wind in miles per hour.

CALCUTTA,
*The 2nd June 1877.*

JOHN ELIOT,
*Meteorological Reporter to the Government of Bengal.*

## Results of the Meteorological Observations taken at Alipore Observatory from 27th May to 2nd June 1877.

| Month. | Date. | Mean pressure; barometer at 32° Fah. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877. | | Inches. | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | Inch. | ⊖ | | | | Inch. | |
| May | 27th | 29·641 | 82·6 | 94·4 | 21·4 | 73·0 | 77·0 | 0·855 | 74·5 | 77 | Till 6½ A.M. S.S.E., till 5 P.M. N.E. through S.E. and E., till midnight S. through E. and S.E. | 82 | ... | Till 4 A.M. clear; night cloudy; *l.* from 7-20 P.M. to 10¾ P.M.; *t.* from 9 P.M. to 10-20 P.M.; *o.* and *g.* |
| " | 28th | ·700 | 83·1 | 96·1 | 18·6 | 77·5 | 74·7 | 0·747 | 70·5 | 65 | Till 6 A.M. S., till 6 P.M. veered to E. through S.E., till midnight S. back again through N. and W. | 140 | 0·14 | Clear both morning and afternoon till 3-40 P.M.; evening and night cloudy; strong wind at 3-14 P.M. and again at 7-55 P.M.; *l.* at 6-20 P.M.; *d.* at 6-49 P.M.; *t.* from 6-49 P.M. to 10 P.M.; *d.* again from 7-40 P.M. to 10 P.M.; rain at 8-55; *o.* and *g.* |
| " | 29th | ·724 | 82·3 | 95·8 | 21·1 | 74·7 | 76·5 | 0·833 | 73·7 | 75 | Till 10½ A.M. N.E. by E. through W. and N., till midnight S. through E.N. and W. | 97 | ... | Clear. |
| " | 30th | ·723 | 84·4 | 95·3 | 14·5 | 80·8 | 79·8 | 0·959 | 78·0 | 81 | Till 7 A.M. S. through W.N. and E., till midnight S., back again through E.N. and W. | 116 | 0·08 | Morning partially cloudy; afternoon and night cloudy; *t.* at 3½ P.M.; rain at 4-25 P.M.; strong wind at 6½ P.M.; *l.* at 6-55 P.M.; *d.* at 7-45 P.M.; *o.* and *g.* |
| " | 31st | ·722 | 83·4 | 95·3 | 17·5 | 77·8 | 76·9 | 0·838 | 73·9 | 73 | Till noon E.N.E. through W. and N., till midnight veered to N.N.W. through W. | 91 | 0·03 | Till 4-10 P.M. partially cloudy; evening and night cloudy; *l.* from 6 P.M. to 10 P.M.; *d.* and strong wind from 7-15 P.M. to 7-50 P.M.; rain at 7-15; *t.* from 7-35 P.M. to 8½ P.M.; *d.* again from 8-30 P.M. to 9¾ P.M.; *o.* and *g.* |
| June | 1st | ·658 | 83·1 | 94·8 | 20·3 | 74·5 | 76·1 | 0·807 | 72·8 | 71 | Till 5½ P.M. S. through N.W. and S.W., till midnight S.E. through W.N. and E. | 114 | ... | Clear till 4 P.M.; night cloudy; strong wind at 7 P.M.; *l.* at 7-20 P.M.; *d.* at 8-42 P.M.; *o.* and *g.* |
| " | 2nd | ·636 | 82·3 | 94·7 | 18·5 | 76·2 | 78·2 | 0·912 | 76·4 | 83 | Till 8½ A.M. N.E. through E., till 10½ A.M. S. through S.E., till midnight S. back again through W.N. and E. | 85 | ... | Morning clear; afternoon cloudy; night clear; *l.* at 7-35 P.M. |

| | | Inch. |
|---|---|---|
| The mean pressure of the seven days | ... | 29·686 |
| The average pressure of the corresponding period for 20 years | ... | 29·582 |
| | | ⊖ |
| The mean temperature of the seven days ... ... | ... | 83·0 |
| The average temperature of the corresponding period for 20 years | ... | 86·6 |
| The extreme variation of temperature during the seven days .. | ... | 23·1 |
| The maximum temperature during the seven days ... | ... | 96·1 |
| The mean humidity during the seven days ... ... | ... | 75· |
| The total fall of rain from 27th May to 2nd June . ... | ... | 0·25 |
| The average fall of the corresponding period for 24 years ... | ... | 1·53 |

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain gauge is one foot above the ground.

*t.* thunder, *l.* lightning, *d.* drizzling, *o.* overcast, *g.* gloomy.

H. F. BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 4th June 1877.

## Abstract of the Results of the Hourly Meteorological Observations taken at the Surveyor-General's Office, Calcutta, in the month of March 1877.

LATITUDE 22° 33′ 1″ North. Longitude 88° 20′ 34″ East. Height of the cistern of the standard barometer above the sea level, 18·11 feet.

| MONTHLY RESULTS. | Inches. |
|---|---|
| Mean height of the barometer for the month ... ... ... ... | 29·900 |
| Max. height of the barometer, occurred at 9 A.M. on the 3rd... ... ... | 30·078 |
| Min. height of the barometer, occurred at 5 P.M. on the 22nd ... ... | 29·725 |
| *Extreme range* of the barometer during the month ... ... ... | 0·353 |
| Mean of the daily max. pressures ... ... ... ... ... | 29·973 |
| Ditto ditto min. ditto ... ... ... ... | 29·835 |
| *Mean daily range* of the barometer during the month ... ... ... | 0·138 |
| | ° |
| Mean dry bulb thermometer for the month ... ... ... ... | 79·5 |
| Max. temperature, occurred at 2 P.M. on the 22nd ... ... ... | 93·9 |
| Min. temperature, occurred at 7 A.M. on the 1st ... ... ... ... | 66·0 |
| *Extreme range* of the temperature during the month ... ... ... | 27·9 |
| Mean of the daily max. temperature ... ... ... ... | 88·2 |
| Ditto ditto min. ditto ... ... ... ... | 72·7 |
| *Mean daily range* of the temperature during the month ... ... ... | 15·5 |
| Mean wet bulb thermometer for the month ... ... ... ... | 72·5 |
| Ditto dry bulb thermometer above mean wet bulb thermometer ... ... | 7·0 |
| Computed mean dew-point for the month ... ... ... ... | 67·6 |
| Mean dry bulb thermometer above computed mean dew-point ... ... | 11·9 |
| | Inches. |
| Mean elastic force of vapour for the month ... ... ... ... | 0·672 |
| | Troy Grain. |
| Mean weight of vapour for the month ... ... ... ... | 7·26 |
| Additional weight of vapour required for complete saturation ... ... ... | 3·40 |
| Mean degree of humidity for the month, complete saturation being unity ... | 0·68 |
| Mean max. solar radiation thermometer for the month ... ... ... | 142·5 |
| | Inches. |
| Rained 12 days,—max. fall of rain during 24 hours ... ... ... | 0·70 |
| Total amount of rain during the month ... ... ... ... | 0·88 |
| Total amount of rain indicated by the gauge* attached to the anemometer during the month ... ... ... ... ... ... ... | 0·58 |
| Prevailing direction of the wind ... ... ... ... | S S W & S by W. |

* Height 70 feet 10 inches above ground.

GOPEENAUTH SEN,
*In charge of the Observatory.*

The 4th June 1877.

# GOVERNMENT OF BENGAL.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

RUBBEE SEASON 1876, COMMENCING ON THE 1st DECEMBER 1876.

*Irrigation Operations of Lower Bengal during the month of March* 1877.

| Circle. | District. | Canal. | Supply of Water in the Canals. | | Dalwa Rice Irrigation. | | | Tobacco, Cotton, Huldee, Ginger, Wheat, and Garden Produce. | | | Oil-seeds and Pulses. | | | Sugarcane and other Crops. | | | Grand total of area leased up to the end of the month (total of columns 8, 12, 14, and 17). | Grand total of corresponding period of last year. | Rainfall. | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Estimated full discharge in cubic feet per second. | Average discharge in cubic feet per second throughout the month. | Area leased up to the 1st of the month. | Area leased during the month. | Total area leased up to the end of the month. | Area leased up to the 1st of the month. | Area leased during the month. | Total area leased up to the end of the month. | Area leased up to the 1st of the month. | Area leased during the month. | Total area leased up to the end of the month. | Area leased up to the 1st of the month. | Area leased during the month. | Total area leased up to the end of the month. | | | Inches during month. | Inches during rabbee season. | Average of ten previous years for the same period. | |
| 1 | 2 | 3. | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| Orissa ... | Cuttack ... | Kendrapurah ... | 1,269 | 453 | ... | 2 | 2 | 1,412 | 396 | 1,808 | 90 | 20 | 110 | 26 | 19 | 45 | 1,965 | 3,356 | 0·60 | 3·16 | 2·11 | (a) The details are— Acres. Dalwa ... 29; Cotton ... 2,128; Huldee ... 1; Onions ... 23; Potatoes ... 2; Chillies ... 2; Wheat ... 1; Garden produce ... 13; Chinna ... 6; Mandia ... 1; Oil-seeds ... 98; Pulses ... 83; Sugarcane ... 80; Brinjals ... 37; Plantains ... 4; Sagu ... 1; Total ... 2,521 |
| | | Pattamoondee ... | ... | ... | ... | ... | ... | ... | 39 | 39 | ... | 5 | 5 | ... | ... | ... | 44 | ... | | | | |
| | | High Level, Sec. I | 675 | 111·79 | 27 | ... | 27 | 16 | 5 | 21 | 8 | ... | 8 | 1 | 6 | 7 | 63 | 69 | | | | |
| | | Toldundah ... | 1,300 | 105·47 | ... | ... | ... | 137 | 38 | 175 | 41 | ... | 41 | 29 | 34 | 54 | 270 | 181 | | | | |
| | | Matchkoan ... | 650 | 48·11 | ... | ... | ... | 64 | 76 | 140 | 23 | ... | 23 | 8 | 8 | 16 | 179 | 184 | | | | |
| | | Total of the month ... | ... | ... | 27 | 2 | 29 | 1,629 | 554 | 2,183 | 162 | 25 | 187 | 55 | 67 | 122 | (a) 2,521 | 3,770 | ... | ... | ... | |
| | | Total of the corresponding month of previous year ... | ... | ... | 122 | 63 | 185 | 3,166 | 126 | 3,292 | 136 | 16 | 152 | 139 | 21 | 141 | 3,770 | ... | ... | ... | ... | |
| South-Western | Midnapore ... | Midnapore ... | 875 | 91 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 26 | 0·93 | 7·00 | 8 years, 3·65 | |
| | Howrah ... | Panchkoorah ... | 360 | 22 | 78 | ... | 78 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 78 | 47 | 0·54 | 7·43 | 7 years, 2·11 | |
| | | Total of the month ... | ... | ... | 78 | ... | 78 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 78 | 73 | ... | ... | ... | |
| | | Total of the corresponding month of previous year ... | ... | ... | ... | ... | ... | ... | ... | ... | 26 | 47 | 73 | ... | ... | ... | 73 | ... | ... | ... | ... | |
| Sone ... | Shahabad ... | Main Western ... | 4,342 | 291·62 | ... | ... | ... | 511 | ... | 511 | ... | ... | ... | 45 | 226 | 271 | 782 | 4,914 | 0·78 | 5·39 | 1·5 | (b) The details are— Rs. Acres. Wheat and barley, at 2-8 per acre 8,527; Sugarcane, at 15 do. 2,505; Opium, at 5 do. 54; Total ... 11,109 |
| | | Arrah ... | 1,600 | 291·62 | ... | ... | ... | 8,131 | 44 | 8,175 | 58 | ... | 58 | 224 | 2,041 | 2,265 | 10,518 | 27,654 | 0·28 | 5·03 | 1·7 | |
| | Gya and Patna ... | Patna ... | 1,405 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,328 | 0·91 | 1·78 | 1·12 | |
| | | Total of the month ... | ... | ... | ... | ... | ... | 8,462 | 44 | 8,506 | 58 | ... | 58 | 269 | 2,267 | 2,536 | (b) 11,109 | 33,896 | ... | ... | ... | |
| | | Total of the corresponding month of previous year ... | ... | ... | ... | ... | ... | 31,741 | 25 | 31,766 | 251 | ... | 251 | 1,845 | 34 | 1,879 | 35,896 | ... | ... | ... | ... | |
| | | Grand Total of the month ... | ... | ... | 105 | 2 | 107 | 10,091 | 598 | 10,689 | 220 | 25 | 245 | 324 | 2,334 | 2,658 | 13,699 | 37,739 | ... | ... | ... | |
| | | Grand total of the corresponding month of previous year ... | ... | ... | 122 | 63 | 185 | 34,907 | 151 | 35,058 | 413 | 63 | 476 | 1,963 | 57 | 2,020 | 37,739 | ... | ... | ... | ... | |

G. A. SEARLE, *Col.*, R.C.,
*Asst. Secretary to the Govt. of Bengal,*
*in the P. W. Dept., Irrigation Branch.*

*The 20th May* 1877.

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Kendrapara Canal for the month of March 1877.*

LENGTH OF CANAL OPEN—39 MILES.

### PRIVATE TRAFFIC.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 50 | Paddy ... ... ... | 6,866 | 6,866 | 9,407 | 336 | 7,560 | 99 14 0 | ... |
| 62 | Rice ... ... ... | 4,129 | 8,258 | 17,027 | 608 | 10,608 | 208 10 0 | ... |
| 26 | Jaggery ... ... ... | 4,910 | 20,650 | 6,723 | 240 | 7,680 | 53 6 0 | ... |
| 13 | Salt ... ... ... | 1,340 | 6,700 | 2,590 | 93 | 2,796 | 20 4 0 | ... |
| 1 | Cotton ... ... ... | 100 | 1,000 | 265 | 9 | 288 | 2 8 0 | ... |
| 1 | Turmeric ... ... | 100 | 500 | 279 | 10 | 160 | 2 12 0 | ... |
| 4 | Bamboos ... ... | 277 | 50 | 490 | 18 | 576 | 3 12 0 | ... |
| 3 | Timbers ... ... | 264 | 858 | 480 | 17 | 272 | 5 4 0 | ... |
| 2 | Fuel ... ... ... | 582 | 64 | 778 | 28 | 896 | 6 0 0 | ... |
| 3 | Laterite stone ... ... | 900 | 20 | 1,403 | 50 | 1,600 | 7 0 0 | ... |
| 3 | Oil-cake ... ... ... | 303 | 200 | 394 | 14 | 448 | 5 6 0 | ... |
| 1 | Iron-wire ... ... | 486 | 2,430 | 648 | 23 | 552 | 9 6 0 | ... |
| 7 | Passenger boats ... | ..... | ..... | 1,542 | 55 | 1,320 | 21 15 5 | ... |
| 120 | Empty boats ... ... | ..... | ..... | 10,593 | 378 | 7,478 | 93 5 6 | ... |
| 302 | Total ... | 19,357 | 47,036 | 52,648 | 1,879 | 41,724 | 539 6 11 | ... |

### STORES AND MATERIALS FOR IRRIGATION WORKS.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | LOCAL TRAFFIC. | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 15 | Laterite stone | 4,900 | 61 | 7,603 | 271 | 7,408 | 54 14 0 | ... |
| 1 | Gyals ... | 150 | 150 | 286 | 10 | 160 | 1 6 0 | ... |
| 18 | Empty boats ... | ..... | ..... | 2,845 | 102 | 1,904 | 26 6 0 | ... |
| 34 | | 5,050 | 211 | 10,734 | 383 | 9,472 | 82 10 0 | ... |
| | TRAFFIC BETWEEN CUTTACK AND SEA-BOARD. | | | | | | | |
| 1 | Gunny-bags ... | 10 | 70 | 49 | ... | ..... | 0 6 0 | ... |
| 1 | Miscellaneous | 200 | 200 | 648 | ... | ..... | 9 6 0 | ... |
| 13 | Empty boats | ..... | ..... | 3,309 | ... | ..... | 49 8 0 | ... |

### ABSTRACT.

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | REMARKS. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | Rs. A. P. | Rs. A. P. | A. P. | |
| 302 | Local ... | 19,357 | 47,036 | 1,879 | 41,724 0 0 | 539 6 11 | ... | |
| 34 | Govt. stores ... | 5,050 | 211 | 383 | 9,472 0 0 | 82 10 0 | ... | |
| 336 | | 24,407 | 47,247 | 2,222 | 51,196 0 0 | 622 0 11 | ... | |
| 554 | Local ... | 1,02,899 | 2,79,797 | 5,799 | 2,31,900 0 0 | 2,412 9 6 | ... | |
| 15 | Govt. stores ... | 210 | 270 | 143 | 5,720 0 0 | 59 4 0 | ... | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Wine, gun, beer, &c. ... | 220 | 5,185 | 220 | ... | ..... | 4 4 3 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Sugar, tobacco, onions, &c. ... | 196 | 4,999 | 196 | ... | ..... | 4 4 3 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Beer, piece goods, &c. | 1,008 | 9,675 | 1,008 | ... | ..... | 21 15 0 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Date sugar, piece-goods | 354 | 3,286 | 354 | ... | ..... | 7 14 9 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Black pepper, candles, &c. | 226 | 4,009 | 226 | ... | ..... | 4 14 0 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Piece-goods, twist, &c. | 840 | 8,987 | 840 | ... | ..... | 18 4 6 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Piece-goods, spices, &c. | 308 | 5,009 | 308 | ... | ..... | 6 11 3 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Telegraph stores ... | 500 | 500 | 1,002 | ... | ..... | 15 0 0 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Stationery, spices, &c. | 289 | 5,009 | 289 | ... | ..... | 6 1 6 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Kerosine oil, &c. ... | 429 | 12,903 | 429 | ... | ..... | 9 2 3 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Gilman's stores, &c. ... | 168 | 2,600 | 168 | ... | ..... | 3 10 6 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Medical stores, &c. ... | 224 | 5,456 | 224 | ... | ..... | 4 14 0 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Sugar, spices, &c. ... | 252 | 4,989 | 252 | ... | ..... | 5 7 9 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 1 | Ghee, goods, &c. ... | 280 | 8,577 | 280 | ... | ..... | 6 1 6 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 12 | Passenger boats ... | ..... | ..... | 1,937 | ... | ..... | 31 7 6 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 170 | Empty boats ... ... | ..... | ..... | 21,231 | ... | ..... | 282 10 0 | ... | ... | | ..... | ..... | ..... | ... | ..... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... |
| 504 | | 1,02,892 | 2,79,797 | 1,02,567 | 5,799 | 2,31,966 | 2,412 9 6 | ... | 15 | | 210 | 279 | 4,093 | 143 | 5,729 | 39 4 0 | ... | 569 | | 1,03,019 | 2,80,067 | 5,942 | 2,37,680 0 0 | 2,471 13 6 | ... |
| 835 | Total ... | 1,22,166 | 2,88,833 | 1,14,985 | 7,678 | 2,73,684 | 2,952 0 5 | 0 2 7 | 49 | | 5,560 | 481 | 14,740 | 536 | 15,192 | 141 14 0 | 0 1 8 | 965 | | 1,27,436 | 3,27,516 | 8,294 | 2,88,876 0 0 | 3,695 14 5 | 0 2 7 |
| 77 | Total of same month last year ... ... | 49,862 | 2,04,946 | 97,785 | 3,493 | 1,31,852 | 1,116 10 4 | 0 1 6 | 54 | | 13,729 | 1,284 | 31,842 | 1,157 | 37,780 | 381 0 0 | 0 1 9 | 431 | | 62,591 | 2,06,230 | 4,650 | 1,69,632 0 0 | 1,497 10 4 | 0 1 6 |
| | | | | | | | | | | | MISCELLANEOUS. | | | | | | | | | | | | | | |
| | | | | | | | | | | | *Local.* | | | | | | | | | | | | | | |
| 5 | Bamboos, 13,770 in number ... ... | ..... | 762 | ..... | ... | ..... | 20 0 7 | ... | 1 | | Lock-rates, 4 in number. | ..... | 2,000 | ..... | ... | ..... | 2 0 0 | ... | 7 | Local ... | ..... | 482 | ..... | ..... | 25 0 7 | ... |
| 2 | Timbers, 29 in number | ..... | 80 | ..... | ... | ..... | 5 0 0 | .. | 26 | | Boats passed free ... | ..... | ..... | ..... | ... | ..... | ..... | ... | 21 | Govt. stores ... | ..... | 2,000 | ..... | ..... | 2 0 0 | ... |
| 7 | Total ... | ..... | 842 | ..... | ... | ..... | 25 0 7 | ... | 27 | | | ..... | 2,000 | ..... | ... | ..... | 2 0 0 | ... | 28 | | ..... | 2,842 | ..... | ..... | 27 0 7 | ... |
| | | | | | | | | | | | TRAFFIC BETWEEN CUTTACK AND SEA-BOARD. | | | | | | | | | | | | | | |
| 7 | Timbers, 93 in number | ..... | 372 | ..... | ... | ..... | 34 14 0 | ... | 4 | | Timbers, 197 in number. | ..... | 688 | ..... | ... | ..... | 76 8 0 | ... | 15 | Local ... | ..... | 736 | ..... | ..... | 104 14 0 | ... |
| 8 | Bamboos, 24,569 in number ... ... | ..... | 364 | ..... | ... | ..... | 70 0 0 | ... | 28 | | Boats passed free ... | ..... | ..... | ..... | ... | ..... | ..... | ... | 32 | Govt. stores ... | ..... | 688 | ..... | ..... | 76 8 0 | ... |
| 15 | | ..... | 736 | ..... | ... | ..... | 104 14 0 | ... | 32 | | | ..... | 688 | ..... | ... | ..... | 76 8 0 | ... | 47 | | ..... | 1,424 | ..... | ..... | 181 6 0 | ... |
| 22 | Total ... | ..... | 1,578 | ..... | ... | ..... | 129 14 7 | ... | 53 | | | ..... | 2,683 | ..... | ... | ..... | 78 8 0 | ... | 75 | | ..... | 4,566 | ..... | ..... | 208 6 7 | ... |
| | Total of same month last year ... ... | ..... | 417 | ..... | ... | ..... | 60 15 2 | ... | | | Nil ... | ..... | ..... | ..... | .. | ..... | ..... | ... | ... | | ..... | 417 | ..... | ..... | 60 15 2 | ... |
| 876 | Grand Total ... | 1,22,166 | 3,28,411 | 1,14,985 | 7,678 | 2,73,684 | 3,081 15 0 | ... | 102 | | | 5,560 | 3,169 | 14,740 | 536 | 15,192 | 220 6 0 | ... | 980 | | 1,27,436 | 3,31,580 | 8,294 | 2,88,876 0 0 | 3,902 5 9 | ... |
| | | | | | | | | | | | | | | | | | Difference of tollage (to be added) on Messrs. Bullock, Wellstead, and Company's boats for January and February 1877, between the lock-keepers memorandum and manifests received from the above firm ... ... ... | | | | | | 372 5 4 | ..... | ... |
| | | | | | | | | | | | | | | | | | Deduct amount of tollage on Messrs. Wither and Company's steamer *Orissa*, charged in excess by No. 6 lock-keeper in October 1876 ... ... ... | | | | | | 13 8 0 | ..... | ... |
| | | | | | | | | | | | | | | | | | Deduct amount of tollage on Messrs. Wither and Company's steamer *Orissa* for February 1877, which has been refunded to them ... ... ... ... | | | | | | 12 12 0 | ..... | ... |
| | | | | | | | | | | | | | | | | | Deduct amount of tollage on Messrs. Stoney and Company's boat No. 40 for February 1877, which has been refunded to them ... | | | | | | 7 8 0 | ..... | ... |
| | | | | | | | | | | | | | | | | | Total deductions ... | | | | | | 33 12 0 | ..... | ... |
| | | | | | | | | | | | | | | | | | Net balance to be added ... | | | | | | ..... | 336 9 4 | ... |
| | | | | | | | | | | | | | | | | | Grand Total ... | | | | | | ..... | 3,640 14 4 | ... |
| 377 | Grand Total of same month last year ... | 49,862 | 2,05,363 | 97,785 | 3,493 | 1,31,852 | 1,177 9 6 | ... | 54 | | | 13,729 | 1,284 | 31,842 | 1,157 | 37,780 | 381 0 0 | ... | 431 | | 62,591 | 2,06,647 | 4,650 | 1,69,632 0 0 | 1,558 9 6 | ... |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the High Level Canal for the month of March 1877.*

LENGTH OF CANAL OPEN—37 MILES.

### PRIVATE TRAFFIC.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 61 | Rice ... ... ... | 8,734 | 17,468 | 18,266 | 656 | 17,793 | 226 11 0 | ..... |
| 15 | Paddy ... ... ... | 1,453 | 1,453 | 2,983 | 74 | 295 | 29 0 0 | ..... |
| 19 | Salt ... ... ... | 1,375 | 5,375 | 2,440 | 87 | 2,839 | 34 0 9 | ..... |
| 19 | Jaggery ... ... | 1,303 | 6,515 | 1,987 | 69 | 1,616 | 21 1 0 | ..... |
| 12 | Ginglelly ... ... | 997 | 3,988 | 1,483 | 51 | 1,567 | 20 19 0 | ..... |
| 5 | Timber ... ... | 648 | 2,195 | 1,549 | 38 | 1,156 | 17 19 0 | ..... |
| 19 | Gram ... ... ... | 986 | 1,232 | 1,366 | 49 | 1,157 | 15 6 9 | ..... |
| 5 | Cotton ... ... ... | 400 | 4,000 | 858 | 31 | 789 | 8 1 7 | ..... |
| 2 | Straw ... ... ... | 300 | 94 | 561 | 20 | 681 | 8 4 0 | ..... |
| 8 | Gallnut ... ... ... | 279 | 279 | 440 | 16 | 574 | 6 0 0 | ..... |
| 1 | Gunnies ... ... | 150 | 900 | 322 | 12 | 391 | 4 8 0 | ..... |
| 2 | Turmeric ... ... | 80 | 400 | 223 | 9 | 387 | 3 6 0 | ..... |
| 2 | Sugar ... ... ... | 160 | 3,200 | 377 | 13 | 162 | 1 12 0 | ..... |
| 3 | Passenger boats ... | ..... | ..... | 141 | 5 | 163 | 2 4 4 | ..... |
| 147 | Empty boats ... | ..... | ..... | 12,529 | 447 | 11,518 | 169 6 3 | ..... |
| 311 | Total ... | 16,825 | 48,610 | 43,905 | 1,571 | 41,656 | 559 1 8 | 0 2·6 |
| 160 | Total of same month last year ... ... | 12,828 | 26,792 | 31,563 | 1,127 | 17,575 | 249 4 0 | 0 2·7 |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ..... |
| ... | Total ... | ..... | ..... | ..... | ... | ..... | ..... | ..... |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ..... | ..... | ..... |
| 311 | Grand Total ... | 16,825 | 48,610 | 43,905 | 1,571 | 41,656 | 559 1 8 | ..... |
| 160 | Grand Total of same month last year ... | 12,828 | 26,792 | 31,563 | 1,127 | 17,575 | 249 4 0 | ..... |

### STORES AND MATERIALS FOR IRRIGATION WORKS.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 2 | Shutters ... | 650 | 6,500 | 1,402 | 53 | 1,815 | 22 2 0 | ..... |
| 1 | Sundries ... | 250 | 250 | 568 | 20 | 690 | 8 4 0 | ..... |
| 1 | Charcoal ... | 250 | 375 | 568 | 20 | 690 | 8 4 0 | ..... |
| 1 | Stones ... | 190 | 5 | 384 | 14 | 403 | 5 10 0 | ..... |
| 1 | Tools & plant ... | 50 | 250 | 132 | 5 | 57 | 0 10 0 | ..... |
| 8 | Empty boats ... | ..... | ..... | 1,612 | 58 | 1,891 | 22 14 4 | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| ... | | ..... | ..... | ... | ... | ... | ..... | ..... |
| 14 | | 1,390 | 7,378 | 4,759 | 170 | 5,609 | 67 12 4 | 0 2·3 |
| 22 | | 2,811 | 2,454 | 9,694 | 346 | 8,976 | 113 0 8 | 0 2·4 |
| | MISCELLANEOUS. | | | | | | | |
| 10 | Boats passed free | ..... | ..... | ... | ... | ... | ..... | ..... |
| 10 | | ..... | ..... | ... | ... | ... | ..... | ..... |
| 11 | | ..... | ..... | ... | ... | ... | ..... | ..... |
| 24 | | 1,390 | 7,378 | 4,759 | 170 | 5,609 | 67 12 4 | ..... |
| 33 | | 2,811 | 2,454 | 9,694 | 346 | 8,976 | 113 0 8 | ..... |

### ABSTRACT.

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. | |
| 311 | Local | 16,825 | 48,610 | 1,571 | 41,656 | 559 1 8 | ... | |
| 14 | Govt. stores ... | 1,390 | 7,378 | 170 | 5,609 | 67 12 4 | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| ... | | ..... | ..... | ... | ... | ..... | ... | |
| 325 | | 18,215 | 55,988 | 1,741 | 46,645 | 626 14 0 | 0 2·6 | |
| 182 | | 15,639 | 29,246 | 1,473 | 26,549 | 362 4 8 | 0 2·6 | |
| 10 | Boats passed free | ..... | ..... | ... | ... | ..... | ... | |
| 10 | | ..... | ..... | ... | ... | ..... | ... | |
| 11 | | ..... | ..... | ... | ... | ..... | ... | |
| 325 | | 18,215 | 55,988 | 1,741 | 46,645 | 626 14 0 | ... | |
| 193 | | 15,639 | 29,246 | 1,473 | 26,549 | 362 4 8 | ... | |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Taldunda Canal for the month of March* 1877.

LENGTH OF CANAL OPEN—27 MILES.

**PRIVATE TRAFFIC.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 13 | Paddy ... ... ... | 3,760 | 3,240 | 5,742 | 205 | 2,050 | 13 14 0 | ... |
| 4 | Rice ... ... ... | 1,096 | 2,800 | 2,565 | 84 | 84 | 1 7 9 | ... |
| 1 | Tamarind ... ... | 308 | 925 | 400 | 14 | 214 | 1 0 0 | ... |
| 2 | Bamboos ... ... | 458 | 90 | 638 | 3 | 44 | 1 9 6 | ... |
| 1 | Straw ... ... ... | 168 | 30 | 200 | 7 | 28 | 0 8 0 | ... |
| 18 | Empty boats ... ... | ..... | ..... | 1,860 | 67 | 865 | 4 7 7 | ... |
| 39 | Total ... | 6,150 | 7,085 | 11,205 | 380 | 3,285 | 22 14 10 | 0 1·34 |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| | | | | | | | | |
| ... | 75 logs ... ... ... | ..... | 247 | ..... | ... | ... | 12 6 0 | ... |
| ... | 24,400 bamboos ... | ..... | 368 | ..... | ... | ... | 27 9 4 | ... |
| ... | Demurrage ... ... | ..... | ..... | ..... | ... | ... | 0 14 0 | ... |
| ... | Total ... | ..... | 615 | ..... | ... | ... | 40 13 4 | ... |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| 39 | Grand Total ... | 6,150 | 7,700 | 11,205 | 380 | 3,285 | 63 12 2 | ... |
| ... | Grand Total of same month last year ... | ..... | ..... | ..... | ... | ... | ..... | ... |

**STORES AND MATERIALS FOR IRRIGATION WORKS.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| 1 | Sandstone ... | 372 | 50 | 560 | 20 | 20 | 0 5 8 | ... |
| 1 | Earthen shoots | 48 | 20 | 88 | 3 | 45 | 0 3 6 | ... |
| 2 | Earth ... | 608 | 10 | 900 | 34 | 34 | 0 9 8 | ... |
| 4 | Empty boats | ..... | ..... | 579 | 21 | 83 | 0 7 2 | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| 8 | | 1,028 | 80 | 2,187 | 78 | 182 | 1 10 0 | 0 1·72 |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| | | | | | | | | |
| | MISCELLANEOUS. | | | | | | | |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| 8 | | 1,028 | 80 | 2,187 | 78 | 182 | 1 10 0 | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |

**ABSTRACT.**

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. | |
| 39 | Local ... | 6,150 | 7,085 | 380 | 3,285 | 22 14 10 | ... | |
| ... | | | | | | | | |
| 8 | Govt. stores ... | 1,028 | 80 | 78 | 182 | 1 10 0 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| 47 | | 7,178 | 7,165 | 458 | 3,467 | 24 8 10 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| | | | | | | | | |
| ... | Local ... | ..... | 615 | ..... | ..... | 40 13 4 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | 615 | ..... | ..... | 40 13 4 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| 47 | | 7,178 | 7,780 | 458 | 3,467 | 65 6 2 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Midnapore Canal for the month of March* 1877.

LENGTH OF CANAL OPEN—53 MILES.

**PRIVATE TRAFFIC.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 8 | Betel-nuts ... ... | 975 | 6,725 | 2,575 | ... | ..... | 26 8 6 | ... |
| 1 | Brass and copper, and their manufactures ... | 16 | 800 | 80 | ... | ..... | 2 1 6 | ... |
| 58 | Coal and coke ... ... | 13,625 | 16,716 | 24,000 | ... | ..... | 231 5 6 | ... |
| 720 | Cotton, raw ... ... | 2,840 | 47,140 | 5,620 | ... | ..... | 46 1 6 | ... |
| 5 | Cotton, twist, and yarn (European) ... ... | 875 | 26,875 | 2,300 | ... | ..... | 17 0 0 | ... |
| 8 | Cotton piece-goods (European) ... ... | 663 | 17,340 | 2,400 | ... | ..... | 21 9 0 | ... |
| 628 | Empty boats ... ... | ..... | ..... | 41,755 | ... | ..... | 618 9 6 | ... |
| 5 | Earthenwares ... ... | 140 | 57 | 275 | ... | ..... | 3 8 0 | ... |
| 42 | Fruits and nuts of all kinds ... ... | 18,907 | 20,754 | 19,450 | ... | ..... | 175 10 0 | ... |
| 29 | Gram and pulse ... | 4,390 | 8,379 | 6,500 | ... | ..... | 58 15 0 | ... |
| 2 | Gunny-bags ... | 200 | 800 | 700 | ... | ..... | 5 4 0 | ... |
| 5 | Hides of cattle, untanned, No. 5,500 ... | ..... | 7,000 | 1,025 | ... | ..... | 6 6 6 | ... |
| 5 | Indigo seed ... | 525 | 5,250 | 925 | ... | ..... | 12 12 6 | ... |
| 2 | Iron and its manufactures ... ... ... | 200 | 1,000 | 425 | ... | ..... | 4 6 6 | ... |
| 25 | Linseed ... ... ... | 4,795 | 12,300 | 8,150 | ... | ..... | 76 12 6 | ... |
| 4 | Mustard... ... ... | 525 | 2,150 | 1,225 | ... | ..... | 7 8 0 | ... |
| 2 | Other saline substances ... ... ... | 200 | 200 | 525 | ... | ..... | 5 7 0 | ... |
| 1 | Other fibres, manufactured ... ... | 50 | 125 | 150 | ... | ..... | 2 3 0 | ... |
| 1 | Other fibres, raw ... | 500 | 500 | 1,175 | ... | ..... | 23 14 0 | ... |
| 440 | Paddy ... ... ... | 37,925 | 40,107 | 62,805 | ... | ..... | 1,132 4 3 | ... |
| 289 | Passenger boats ... | ..... | ..... | 12,675 | ... | ..... | 184 8 9 | ... |
| 108 | Rice ... ... ... | 40,540 | 63,277 | 69,350 | ... | ..... | 762 11 0 | ... |
| 16 | Sugar, unrefined ... | 2,550 | 5,625 | 4,925 | ... | ..... | 24 6 6 | ... |
| 47 | Salt ... ... ... | 16,210 | 73,542 | 30,175 | ... | ..... | 209 9 6 | ... |
| 3 | Straw ... ... ... | 128 | 84 | 1,475 | ... | ..... | 8 12 0 | ... |
| 1 | Stone plates ... ... | 175 | 1,000 | 375 | ... | ..... | 2 5 6 | ... |
| 2 | Spices ... ... ... | 250 | 2,200 | 475 | ... | ..... | 4 15 0 | ... |
| 8 | Sál piles (No. 331) ... | 425 | 296 | 525 | ... | ..... | 8 12 6 | ... |
| 6 | Timber ... ... ... | 1,138 | 1,400 | 1,180 | ... | ..... | 31 4 6 | ... |

**STORES AND MATERIALS FOR IRRIGATION WORKS.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| ... | ..... | ..... | ..... | Nil. | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ..... | ..... | ..... | ..... | ... | ... | ..... | ... |

**ABSTRACT.**

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. | |
| 1,835 | Local ... | 1,42,007 | 3,05,483 | 11,170 | 1,98,807 | 3,895 4 0 | 0 3 | |

miles, during the month, whereas in March 1876 the average was 19 miles. Also for exposure of canal range 1 for repairs.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Tobacco ... ... | 1,875 | 7,370 | 8,565 | ... | ..... | 89 | 6 | 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | .. | | ..... | ..... | ... | ..... | ..... | ... |
| 7 | Vegetables and other kinds of provisions... | 330 | 330 | 915 | ... | ..... | 8 | 7 | 5 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | .. | | ..... | ..... | ... | ..... | ..... | ... |
| 1,835 | Total ... | 1,42,007 | 3,65,483 | 3,12,765 | 11,170 | 1,98,807 | 3,995 | 4 | 0 | 0 | 3 | ..... | ..... | ..... | ... | ... | ..... | ... | 1,835 | | 1,42,007 | 3,65,483 | 11,170 | 1,98,807 | 3,995 | 4 | 0 | 0 | 3 |
| 3,346 | Total of same month last year ... ... | 1,74,988 | 9,08,920 | 5,18,425 | 18,515 | 3,61,189 | 5,182 | 10 | 6 | 0 | 29 | ..... | ..... | ..... | ... | ... | ..... | ... | 3,346 | | 1,74,988 | 9,08,920 | 18,515 | 3,61,189 | 5,182 | 10 | 6 | 0 | 29 |
| | | | | | | | | | | | | MISCELLANEOUS. | | | | | | | | | | | | | | | | | | | |
| ... | Passengers, No. 1,569 | ..... | ..... | ..... | ... | ..... | 43 | 3 | 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 31 | Local ... | ..... | ..... | ... | ..... | 43 | 3 | 9 | ... | |
| 31 | Boats passed free ... | ..... | ..... | ..... | ... | ..... | ..... | | | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ... | ..... | ..... | | | | |
| 31 | Total ... ... | ..... | ..... | ..... | ... | ..... | 43 | 3 | 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 31 | | ..... | ..... | ... | ..... | 43 | 3 | 9 | ... | |
| 13 | Total of same month last year ... ... | ..... | 4,169 | ..... | ... | ..... | 316 | 6 | 6 | ... | ... | ..... | ..... | ..... | ... | ..... | ..... | ... | 13 | | ..... | 4,169 | ... | ..... | 316 | 6 | 6 | ... | |
| 1,866 | Grand Total ... | 1,42,007 | 3,65,483 | 3,12,765 | 11,170 | 1,98,807 | 3,938 | 7 | 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 1,866 | | 1,42,007 | 3,65,483 | 11,170 | 1,98,807 | 3,938 | 7 | 9 | ... | |
| 3,359 | Grand Total of same month last year ... | 1,74,988 | 9,12,189 | 5,18,425 | 18,515 | 3,61,189 | 5,499 | 1 | 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 3,359 | | 1,74,988 | 9,12,189 | 18,515 | 3,61,189 | 5,499 | 1 | 0 | ... | |

A fall of gross was scored in the 21 consecutive days ending 31st May.

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Hidgellee Tidal Canal for the month of March* 1877.

LENGTH OF CANAL OPEN—29 MILES.

**PRIVATE TRAFFIC.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 799 | Paddy ... ... ... | 1,46,361 | 1,33,544 | 2,83,355 | ... | ..... | 4,546 12 0 | ... |
| 569 | Rice ... ... ... | 31,505 | 45,919 | 64,750 | ... | ..... | 655 5 3 | ... |
| 182 | Miscellaneous ... ... | 19,392 | 70,507 | 42,833 | ... | ..... | 608 5 0 | ... |
| 10 | Sugar, unrefined ... | 732 | 1,661 | 2,790 | ... | ..... | 48 8 9 | ... |
| 12 | Mats (No. 9,250) ... | ..... | 4,720 | 3,569 | ... | ..... | 28 12 6 | ... |
| 13 | Bamboos (No. 1,750) | ..... | 112 | 1,256 | ... | ..... | 13 11 6 | ... |
| 2 | Fuel ... ... ... | 22 | 3 | 100 | ... | ..... | 1 1 9 | ... |
| 5 | Timber ... ... ... | 290 | 470 | 345 | ... | ..... | 7 12 0 | ... |
| 6 | Shooting Lime ... | 926 | 450 | 1,800 | ... | ..... | 14 1 6 | ... |
| 36 | Passenger boats ... | ..... | ..... | 3,453 | ... | ..... | 49 1 0 | ... |
| 1156 | Empty ... ... ... | ..... | ..... | 1,01,973 | ... | ..... | 1,402 10 3 | ... |
| 44 | Tamarind ... ... | 1,087 | 1,540 | 4,929 | ... | ..... | 71 11 9 | ... |
| 6 | Earthenwares (No. 10,100) ... ... ... | ..... | 128 | 605 | ... | ..... | 7 3 6 | ... |
| 4 | Hemp ... ... ... | 400 | 1,600 | 1,700 | ... | ..... | 11 11 0 | ... |
| 60 | Straw (653 kahuns) | ..... | 1,116 | 20,810 | ... | ..... | 142 13 9 | ... |
| 2 | Ice ... ... ... | 4 | 20 | 109 | ... | ..... | 10 9 | ... |

**STORES AND MATERIALS FOR IRRIGATION WORKS.**

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... |

**ABSTRACT.**

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| 2,790 | Local ... | 2,16,052 | 3,15,349 | 20,390 | 469,815 | 8,061 3 3 | 0 3·3 |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |
| ... | ... | ..... | ..... | ..... | ..... | ..... | ... |

REMARKS.

[illegible] to covering [illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Bricks (No. 400) ... | ..... | 40 | 320 | ... | ..... | 4 8 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | A ton of goods was carried | |
| 2 | Sand ... ... ... | 220 | 50 | 475 | ... | ..... | 3 4 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 1 | Sál wood ... ... | 70 | 25 | 375 | ... | ..... | 2 9 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 1 | Ganges water ... ... | ..... | ..... | 350 | ... | ..... | 2 6 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 44 | Salt ... ... ... | 11,469 | 36,802 | 22,975 | ... | ..... | 309 12 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 18 | Tobacco ... ... | 463 | 2,609 | 2,165 | ... | ..... | 24 8 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 1 | Potatoes ... ... | 40 | 50 | 100 | ... | ..... | 1 13 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 1 | Cocoanuts (No. 250) ... | ..... | 12 | 200 | ... | ..... | 3 10 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 1 | Leather, untanned (No. 200) ... ... | ..... | 2,000 | 125 | ... | ..... | 0 13 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 6 | Cotton ... ... ... | 396 | 3,220 | 3,030 | ... | ..... | 47 2 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 2 | Betel-nuts ... ... | 200 | 1,372 | 453 | ... | ..... | 8 3 9 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 9 | Coal ... ... ... | 1,895 | 487 | 3,400 | ... | ..... | 42 3 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| 2,790 | Total ... | 2,16,052 | 3,13,349 | 5,70,940 | 20,390 | 4,60,815 | 8,061 3 3 | 0 3 3 | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 2,790 | | 2,16,052 | 3,13,349 | 20,390 | 4,60,815 | 8,061 3 3 | 0 3 3 | | |
| 600 | Total of same month last year ... ... | 58,690 | 72,061 | 1,40,024 | 5,322 | 95,921 | 1,686 13 0 | 0 3 3 | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 600 | | 58,690 | 72,061 | 5,322 | 95,921 | 1,686 13 0 | 0 3 3 | | |
| | | | | | | | | | | MISCELLANEOUS. | | | | | | | | | | | | | | | | |
| | Passengers, No. 383 ... | ..... | ..... | ..... | ... | ..... | 12 5 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| | Excess ... ... ... | ..... | ..... | ..... | ... | ..... | 30 5 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | ..... | ... | | |
| | Demurrage ... ... | ..... | ..... | ..... | ... | ..... | 12 14 0 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | Local ... | ..... | ..... | ..... | ..... | 55 8 3 | ... | | |
| ... | Total ... | ..... | ..... | ..... | ... | ..... | 55 8 3 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | 55 8 3 | ... | | |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ..... | 3 11 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | ... | | ..... | ..... | ..... | ..... | 3 11 6 | ... | | |
| 2,790 | Grand Total ... | 2,16,052 | 3,13,349 | 5,70,940 | 20,390 | 4,60,815 | 8,116 11 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 2,790 | | 2,16,052 | 3,13,349 | 20,390 | 4,60,815 | 8,116 11 6 | ... | | |
| 600 | Grand Total of same month last year ... | 58,690 | 72,061 | 1,40,024 | 5,322 | 95,921 | 1,690 8 6 | ... | ... | ..... | ..... | ..... | ... | ... | ..... | ... | 600 | | 58,690 | 72,061 | 5,322 | 95,921 | 1,690 8 6 | ... | | |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOANE CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Arrah Canal for the month of March* 1877.

LENGTH OF CANAL OPEN—65 MILES.

### PRIVATE TRAFFIC.

| Number of boats. | Nature of Cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of Boats. Mds. | Tonnage of Boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 16 | Salt ... ... ... | 4,422 | 22,110 | 6,050 | ... | ..... | 116 9 3 | ... |
| 6 | Sugar ... ... ... | 1,040 | 2,150 | 2,096 | ... | ..... | 46 12 9 | ... |
| 2 | Bales of cloth ... ... | 280 | 3,500 | 402 | ... | ..... | 9 13 6 | ... |
| 1 | Rice ... ... ... | 440 | 880 | 549 | ... | ..... | 3 0 0 | ... |
| 1 | Mustard and linseed ... | 125 | 500 | 314 | ... | ..... | 9 6 0 | ... |
| 12 | Passenger boats ... | ..... | ..... | 939 | ... | ..... | 15 12 0 | ... |
| 7 | Empty " ... | ..... | ..... | 581 | ... | ..... | 4 9 0 | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ..... | ..... | ... |
| 45 | Total ... | 6,307 | 28,940 | 11,651 | 395 | 23,129 | 205 6 6 | 0 7 |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ..... | ..... | ... |
| ... | Rafts of bamboos, &c., No. 60,050. | ..... | ..... | ..... | ... | ..... | 29 12 6 | ... |
| ... | Total ... | ..... | ..... | ..... | ... | ..... | 29 12 6 | ... |
| ... | Total of same month last year ... ... | ..... | ..... | ..... | ... | ..... | ..... | ... |
| 45 | Grand Total ... | 6,307 | 28,940 | 11,651 | 395 | 23,129 | 235 3 0 | ... |
| ... | Grand Total of same month last year ... | ..... | ..... | ..... | ... | ..... | ..... | ... |

### STORES AND MATERIALS FOR IRRIGATION WORKS.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of Boats. Mds. | Tonnage of Boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 45 | Packing rubble | 13,999 | ..... | 17,707 | ..... | ... | 334 9 9 | ... |
| 5 | Ashlar ... | 958 | ..... | 1,799 | ..... | ... | 10 12 6 | ... |
| 5 | Fire-brick ... | 1,566 | ..... | 2,427 | ..... | ... | 37 0 9 | ... |
| 4 | Coal ... ... | 922 | ..... | 1,401 | ..... | ... | 12 11 6 | ... |
| 5 | Timber ... ... | 2,026 | ..... | 3,221 | ..... | ... | 69 7 3 | ... |
| 1 | Stone caps ... | ..... | ..... | 537 | ..... | ... | 2 3 0 | ... |
| 1 | Office records ... | ..... | ..... | 161 | ..... | ... | 0 15 0 | ... |
| 1 | Grass ... ... | ..... | ..... | 165 | ..... | ... | 3 4 6 | ... |
| 2 | Iron girders, No. 2. | ..... | ..... | 1,465 | ..... | ... | 30 19 0 | ... |
| 1 | Iron ... | 241 | ..... | 341 | ..... | ... | 7 1 9 | ... |
| 1 | Plain wood ... | 47 | ..... | 78 | ..... | ... | 0 9 9 | ... |
| 1 | Bullahs ... ... | 224 | ..... | 279 | ..... | ... | 3 13 3 | ... |
| 1 | Chains ... ... | 32 | ..... | 63 | ..... | ... | 0 12 6 | ... |
| 1 | Wheeled stone carts. | 300 | ..... | 415 | ..... | ... | 8 12 0 | ... |
| 50 | Empty boats ... | ..... | ..... | 9,598 | ..... | ... | 127 12 0 | ... |
| 2 | Passenger boats | ..... | ..... | 1,126 | ..... | ... | 24 1 0 | ... |
| 127 | | 20,317 | ..... | 40,533 | 1,448 | 70,883 | 674 8 6 | 0·8 |
| ... | | ..... | ..... | ... | ..... | ... | ..... | ... |
| | MISCELLANEOUS. | | | | | | | |
| ... | Rafts of bullahs and timber, No. 134. | ..... | ..... | ... | ..... | ... | 75 6 0 | ... |
| ... | | ..... | ..... | ... | ..... | ... | 75 6 0 | ... |
| ... | | ..... | ..... | ... | ..... | ... | ..... | ... |
| 127 | | 20,317 | ..... | 40,533 | 1,448 | 70,883 | 749 14 6 | ... |
| ... | | ..... | ..... | ... | ..... | ... | ..... | ... |

### ABSTRACT.

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. | |
| 45 | Local ... ... | 6,307 | 28,940 | 395 | 23,129 | 205 6 6 | 0·7 | |
| 127 | Govt. stores ... | 20,317 | ..... | 1,448 | 70,883 | 674 8 6 | 0·8 | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| 172 | | 26,624 | 28,940 | 1,843 | 94,003 | 879 15 0 | 0·79 | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |
| ... | Local ... ... | ..... | ..... | ..... | ..... | 29 12 6 | ... | |
| ... | Govt. stores ... | ..... | ..... | ..... | ..... | 75 6 0 | ... | |
| ... | | ..... | ..... | ..... | ..... | 105 2 6 | ... | |
| 172 | | 26,624 | 28,940 | 1,843 | 94,303 | 985 1 6 | ... | |
| ... | | ..... | ..... | ..... | ..... | ..... | ... | |

# PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOANE CIRCLE.

*Statement showing the total amount of Traffic and Tolls on the Main Western Canal for the month of March 1877.*

LENGTH OF CANAL OPEN—22 MILES.

### PRIVATE TRAFFIC.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 3 | Linseed, rice, tool, spices, and jaggery ... | 689 | 1,289 | 1,653 | ... | ... | 31 8 6 | ... |
| 1 | Linseed, jaggery ... | 164 | 163 | 225 | ... | ... | 3 3 9 | ... |
| 1 | Empty boats ... | ..... | ..... | 150 | ... | ... | 1 3 6 | ... |
| 3 | Ditto ... | ..... | ..... | 250 | ... | ... | 2 9 6 | ... |
| 8 | Total ... | 784 | 1,452 | 1,678 | 60 | 2,332 | 37 15 9 | 0 3·1 |
| | Total of same month last year ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| | | | | | Nil | | | |
| ... | Total ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| | Total of same month last year ... | ..... | ..... | ..... | ... | ... | ..... | ... |
| 8 | Grand Total ... | 784 | 1,452 | 1,678 | 60 | 2,332 | 37 15 9 | ... |
| ... | Grand Total of same month last year ... | ..... | ..... | ..... | ... | ... | ..... | ... |

### STORES AND MATERIALS FOR IRRIGATION WORKS.

| Number of boats. | Nature of cargo. | Approximate Weight of cargo. | Approximate Value of cargo. | Tonnage of boats. Mds. | Tonnage of boats. Tons. | Ton mileage. | Tollage. | Rate of toll per ton mile. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | | Rs. A. P. | A. P. |
| 82 | Rubble stone ... | 32,167 | 1,072 | 42,725 | ... | ... | 267 0 6 | ... |
| 18 | Bond slab stone ... | 4,602 | 207 | 9,550 | ... | ... | 69 11 0 | ... |
| 100 | Empty boats ... | ..... | ..... | 15,325 | ... | ... | 95 12 6 | ... |
| | ARREARS. | | | | | | | |
| | *December 1876.* | | | | | | | |
| 55 | Rubble stone ... | 13,324 | 466 | 19,986 | ... | ... | 121 3 6 | ... |
| | *January 1877.* | | | | | | | |
| 127 | Rubble stone ... | 36,466 | 1,276 | 54,700 | ... | ... | 340 15 0 | ... |
| 6 | Bond stone ... | 2,531 | 114 | 3,375 | ... | ... | 21 1 6 | ... |
| 5 | Empty boats ... | ..... | ..... | 775 | ... | ... | 2 4 6 | ... |
| | *February 1877.* | | | | | | | |
| 47 | Rubble stone ... | 17,237 | 603 | 25,885 | ... | ... | 176 14 0 | ... |
| 5 | Bond stone ... | 640 | 29 | 2,470 | ... | ... | 15 7 6 | ... |
| 445 | | 1,06,987 | 3,767 | 1,74,791 | 6,242 | 32,231 | 1,100 5 6 | 0 6·7 |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| | MISCELLANEOUS. | | | | | | | |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |
| 445 | | 1,06,987 | 3,767 | 1,74,791 | 6,242 | 32,231 | 1,100 5 6 | ... |
| ... | | ..... | ..... | ..... | ... | ... | ..... | ... |

### ABSTRACT.

| Number of boats. | Nature of traffic. | Weight of cargo. | Value of cargo. | Tonnage. | Ton mileage. | Tollage. | Rate of toll per ton mile. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | Mds. | Rs. | | | Rs. A. P. | A. P. | |
| 8 | Local ... | 784 | 1,452 | 60 | 2,332 | 37 15 9 | 0 3·1 | |
| 445 | Govt. stores ... | 1,06,987 | 3,767 | 6,242 | 32,231 | 1,100 5 6 | 0 6·7 | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| 453 | | 1,07,771 | 5,219 | 6,302 | 34,563 | 1,138 5 3 | 0 6·3 | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |
| 453 | | 1,07,771 | 5,219 | 6,302 | 34,563 | 1,138 5 3 | ... | |
| ... | | ..... | ..... | ... | ..... | ..... | ... | |

## ABSTRACT.

| Canals. | Tollage of the Year 1876-77. | | Tollage of the Year 1875-76. | | Remarks. |
|---|---|---|---|---|---|
| | During the month. | To end of month. | During the month. | To end of corresponding month. | |
| **Orissa Circle.** | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| Kendraparah ... ... ... ... ... | 3,640 14 4 | 18,714 14 1 | 1,558 9 6 | 11,836 6 2 | |
| High Level, Section I ... ... ... ... | 626 14 0 | 4,189 15 10 | 362 4 8 | 3,390 8 10 | |
| Taldandah ... ... ... ... ... ... | 65 6 2 | 1,098 11 2 | ..... | 885 15 10 | |
| Total Orissa Circle ... | 4,333 2 6 | 24,003 9 1 | 1,920 14 2 | 16,112 8 10 | |
| **South-Western Circle.** | | | | | |
| Midnapore ... ... ... ... ... ... | 3,938 7 9 | 67,276 8 0 | 5,499 1 0 | 51,494 8 5 | |
| Tidal ... ... ... ... ... ... | 8,116 11 6 | 46,239 1 1 | 1,690 8 6 | 23,725 2 3 | |
| Total South-Western Circle ... | 12,055 3 3 | 1,13,515 9 1 | 7,189 9 6 | 75,219 10 8 | |
| **Sone Circle.** | | | | | |
| Arrah ... ... ... ... ... ... | 985 1 6 | 4,603 2 5 | ..... | ..... | |
| Western Main ... ... ... ... ... | 1,138 5 3 | 1,679 4 0 | ..... | ..... | |
| Total Sone Circle ... | 2,123 6 9 | 6,282 6 5 | ..... | ..... | |
| Grand Total ... | 18,511 12 6 | 1,43,801 8 7 | 9,110 7 8 | 91,332 3 6 | |

G. A. Searle, *Col.*, s.c.,
*Asst. Secretary to the Government of Bengal,*
*in the P. W. Dept., Irrigation Branch.*

*The 29th May* 1877.

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 26th May 1877, on 1,279¾ miles open.*

| | Coaching Traffic. | | | | Merchandise and Mineral Traffic. | | | | Total Traffic Receipts. | Train Miles run. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | | | Weight carried. | Receipts. | | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | £ s. d. | | Mds. Sr. | Rs. A. P. | £ s. d. | | Rs. A. P. | | | |
| Total traffic for the week ... | 114,930 | 1,31,474 14 0 | 12,051 17 3 | | 14,11,961 20 | 5,61,429 13 6 | 51,463 11 6 | | 6,92,895 11 6 | 44,565½ | 117,895½ | 162,459 |
| Or per mile of railway ... | ..... | 102 11 9 | 9 8 4 | | ..... | 438 11 2 | 40 4 3 | | 541 6 11 | ..... | ..... | ..... |
| For previous 20 weeks of half-year ... | 2,786,542 | 41,54,526 2 6 | 380,840 14 8 | | 2,66,82,186 20 | 1,11,86,470 5 11 | 1,025,426 9 0 | | 1,53,41,096 8 5 | 941,159 | 2,077,852 | 3,019,011 |
| Total for 21 weeks ... | 2,901,472 | 42,86,101 0 6 | 392,892 11 11 | | 2,80,94,088 6 | 1,17,47,891 3 5 | 1,076,890 0 6 | | 1,60,33,992 5 11 | 985,724½ | 2,195,745½ | 3,181,470 |
| COMPARISON. | | | | | | | | | | | | |
| Total for corresponding week of previous year ... | 116,454 | 1,34,259 13 0 | 12,307 3 0 | | 11,40,856 20 | 5,63,969 0 3 | 46,165 9 10 | | 6,37,228 13 3 | 42,989 | 103,540 | 146,529 |
| Per mile of railway, corresponding week of previous year ... | ..... | 104 14 7 | 9 12 4 | | ..... | 393 0 4 | 36 0 7 | | 497 14 11 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 2,705,352 | 42,38,035 5 5 | 388,486 11 6 | | 2,18,85,965 20 | 92,73,845 12 8 | 8,50,102 6 11 | | 1,35,11,879 2 1 | 963,829 | 1,692,952 | 2,656,781 |

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 26th May 1877, on 223¾ miles open.*

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | £ s. d. | | Mds. Sr. | Rs. A. P. | £ s. d. | | Rs. A. P. | | | |
| Total traffic for the week ... | 5,009½ | 13,209 6 0 | 1,210 17 2 | | 2,36,841 20 | 55,936 12 6 | 5,127 10 9 | | 69,146 2 0 | 4,651 | 16,305 | 20,956 |
| Or per mile of railway ... | ..... | 59 0 7 | 8 3 | | ..... | 249 15 11 | 22 18 4 | | 309 0 6 | ..... | ..... | ..... |
| For previous 20 weeks of half-year ... | 148,366 | 5,36,316 4 9 | 49,162 6 7 | | 48,83,524 20 | 12,96,332 5 5 | 118,626 5 11 | | 17,45,148 10 0 | 100,581½ | 311,005 | 411,586½ |
| Total for 21 weeks ... | 153,375½ | 5,49,525 10 9 | 50,373 3 9 | | 51,20,366 10 | 12,62,769 1 3 | 115,753 16 8 | | 18,12,294 12 0 | 510,232½ | 327,310 | 432,542½ |
| COMPARISON. | | | | | | | | | | | | |
| Total for corresponding week of previous year ... | 4,837 | 11,135 5 9 | 1,020 14 10 | | 1,01,832 20 | 23,550 2 0 | 2,340 5 2 | | 36,005 7 9 | 4,242 | 5,567 | 9,809 |
| Per mile of railway, corresponding week of previous year ... | ..... | 49 12 3 | 4 11 3 | | ..... | 114 1 8 | 10 9 2 | | 165 13 11 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 131,713 | 4,07,843 8 9 | 37,385 13 2 | | 22,25,605 0 | 5,19,182 4 6 | 47,591 14 2 | | 9,27,025 13 3 | 99,787 | 123,515 | 223,302 |

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended 26th May 1877, on 158¼ miles open.*

| | Coaching Traffic. | | | | Merchandise and Mineral Traffic. | | | | Total receipts. |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | | Weight carried. | Receipts. | | | |
| | | Rs. A. P. | £ s. d. | | Mds. Sr. | Rs. A. P. | £ s. d. | | £ s. d. |
| Total traffic for the week ... ... | 42,455 | 22,146 4 3 | 2,030 1 6 | | 2,06,008 31 | 44,987 5 9 | 4,123 16 10 | | 6,153 18 4 |
| Or per mile of railway ... ... | 268 | 139 15 1 | 12 16 7 | | 1,301 32 | 284 4 6 | 26 1 2 | | 38 17 9 |
| For previous 20 weeks of half-year | 744,150 | 5,11,378 3 0 | 46,876 6 10 | | 38,09,205 29 | 7,92,489 2 2 | 72,644 6 1 | | 119,520 6 11 |
| Total for 21 weeks ... | 786,605 | 5,33,524 7 3 | 48,906 8 4 | | 40,15,214 29 | 8,37,467 7 11 | 76,767 16 11 | | 125,674 5 3 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 41,588 | 23,072 14 8 | 2,115 0 3 | | 1,21,246 3 | 23,287 3 8 | 2,134 15 4 | | 4,249 15 7 |
| Per mile of railway, corresponding week of previous year ... ... | 263 | 145 12 9 | 13 7 4 | | 766 7 | 147 2 6 | 13 9 9 | | 26 17 1 |
| Total to corresponding date of previous year ... ... ... | 783,623 | 5,28,153 8 8 | 48,414 10 5 | | 38,94,727 18 | 6,19,363 12 10 | 56,774 18 8 | | 105,189 9 1 |

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th May 1877, on 28 miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... | 8,587 | 1,242 0 0 | 124 4 0 | 16,799 0 | 519 0 0 | 51 0 0 | 175 4 0 |
| Or per mile of railway ... ... | 307 | 44 8 0 | 4 9 0 | 600 0 | 18 0 0 | 1 16 0 | 6 5 0 |
| For previous 20 weeks of half-year | 197,302 | 28,068 0 0 | 2,806 16 0 | 3,79,287 0 | 12,857 0 0 | 1,285 14 0 | 4,185 10 0 |
| Total for 21 weeks ... ... | 205,889 | 30,310 0 0 | 3,031 0 0 | 3,96,086 0 | 13,397 0 0 | 1,339 14 0 | 4,360 14 0 |
| Comparison. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 9,164½ | 1,365 7 0 | 136 10 10 | 15,127 0 | 521 13 0 | 52 3 7 | 178 14 5 |
| Per mile of railway, corresponding week of previous year ... ... | 327 | 45 3 1 | 4 10 5 | 540 10 | 18 10 2 | 1 17 3 | 6 7 2 |
| Total to corresponding date of previous year ... ... ... | 206,496 | 28,291 14 3 | 2,829 3 9 | 3,72,128 30 | 12,333 2 9 | 1,233 6 4 | 4,062 10 1 |

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for week ended 26th May 1877, on 27¼ miles open.*

| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
|---|---|---|---|---|---|---|---|
| Total traffic for the week ... ... | 1,966 | 887 0 0 | 88 14 0 | 9,955 0 | 632 0 0 | 63 4 0 | 151 18 0 |
| Or per mile of railway ... ... | 68 | 32 8 0 | 3 5 0 | 365 0 | 23 0 0 | 2 6 0 | 5 11 0 |
| For previous 20 weeks of half-year... | 44,749 | 21,253 0 0 | 2,125 6 0 | 1,50,637 0 | 11,171 0 0 | 1,117 2 0 | 3,242 8 0 |
| Total for 21 weeks ... | 46,709 | 22,140 0 0 | 2,214 0 0 | 1,60,592 0 | 11,803 0 0 | 1,180 6 0 | 3,394 6 0 |
| Comparison. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 1,770 | 868 2 3 | 86 16 3 | 5,472 0 | 508 15 0 | 50 17 11 | 137 14 2 |
| Per mile of railway, corresponding week of previous year ... ... | 65 | 31 13 9 | 3 3 9 | 200 32 | 18 10 9 | 1 17 4 | 5 1 1 |
| Total to corresponding date of previous year ... ... ... ... | 43,041 | 21,129 16 9 | 2,113 0 0 | 1,60,943 30 | 12,954 1 6 | 1,295 8 3 | 3,408 8 3 |

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[REGISTERED NO. 29.]

No. 24 of 1877.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JUNE 13, 1877.

## OFFICIAL PAPERS.

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## REVISED BUDGET ESTIMATE, PROVINCIAL SERVICES.

FINANCIAL DEPARTMENT.—FINANCE.

*Calcutta, the 6th June* 1877.

READ—

Resolution of this Government, dated the 22nd February 1877, on the estimate of Receipt and Expenditure of the Provincial Services of Bengal for the year 1877-78.

Letter from the Government of India, Financial Department, No. 1899, dated 29th March 1877, surrendering certain additional revenues and services to the use, management, and responsibility of the Government of Bengal.

The Resolution of this Government, read above, reviewed the estimate of receipts and expenditure of the revenues and services transferred to the Provincial Government in 1870. According to this estimate the Provincial Services Budget for 1877-78 opened with a balance of Rs. 47,692, and, after deducting the current expenditure from the yearly revenue, the year closed with a small credit balance of Rs. 10,790. It should, however, be observed that this result, was obtained by taking credit in the budget for a grant or contribution of Rs. 70,000 from the Provincial Reserve Fund.

2. The Resolution of the Government of India, read above, now transfers to the control of the Provincial Government certain additional revenues and services, and calls for a revised estimate for the year 1877-78.

3. The Lieutenant-Governor understands that no actual revision of the details of the budget provisions is called for, as the estimates when framed

were well considered and are not susceptible of reduction. But a revised general estimate is required, so as to combine the receipts and expenditure of the services now transferred with those transferred in 1870; and this general revised estimate is rendered the more necessary owing to a retrenchment or deduction of Rs. 5,90,000 from the amount of the Imperial assignment made to the Bengal Government. This reduction, which is ordered in paragraph 26 of the Government of India's Resolution above quoted, makes it necessary to revise the general provincial estimate, so as to show how the Local Government now proposes to carry on its financial administration, and a revised general estimate has accordingly been prepared and is hereto annexed.

4. This estimate is an amalgamation or consolidation of the provincial estimate of 1877-78, as already sanctioned, with the receipts and charges of the several budget heads now transferred to provincial control. The only material alteration it has been found necessary to make is under the head of "Stamps." The Government of India has surrendered to the Bengal Government the revenue under this head for a payment to the Imperial Exchequer, during 1877-78, of Rs. 98,50,000. But, from returns which have been called for by the Local Government, it appears that it may reasonably be expected that a sum of at least Rs. 5,90,000 in excess of the original estimates will be realized during 1877-78 on account of sales of stamps, owing to the operations under the Land Registration Act VII (B.C.) of 1876, and this anticipated income being added to the Stamp revenue surrendered by the Government of India (Rs. 98,50,000), produces an equilibrium in the closing balance of 1877-78, which still stands at about Rs. 11,000 under the head of Provincial Services.

5. A grant of Rs. 7,000 has been made to the Local Government in consideration of its undertaking the charges for the police guard on duty at the Government Houses—Calcutta and Barrackpore. These charges will be debited against the Police Budget, and an addition of Rs. 7,000 has been accordingly made to the allotment under this head.

6. In the same manner, the Government of India has granted a sum of Rs. 7,000 for the repairs of the offices of the Superintendent of Stamps and Stationery, of the obelisks (navigation marks) on the banks of the river Hooghly, and of the Bishop's Palace. These repairs will be undertaken by the Department of Public Works, and the allotment to that department has accordingly been increased by a sum of Rs. 7,000.

7. In preparing these revised estimates, the Lieutenant-Governor has not lost sight of the fact that, according to the orders of the Government of India in the Financial Department, No. 1801, dated the 26th March 1877, the Bengal Government is liable to the Supreme Government for a further sum of Rs. 27,47,000 on account of Extraordinary Public Works, Irrigation Works, and State Railways. This liability is to be met by the taxation imposed under the Public Works Cess law, which has lately received the sanction of the Governor-General.

8. The head of Provincial Reserve Fund remains unaltered, and under this head the year 1877-78 opens with a credit balance of Rs. 1,03,027, and closes with a balance of Rs. 2,90,246 as before.

9. Taking together the balances under both the heads of Provincial Services and Provincial Reserve Fund, it will be seen that a total working balance of Rs. 3,01,445 is left in the hands of the Provincial Government for general administrative purposes and unforeseen expenditure beyond the actual provision made in the various departmental budgets.

ORDER.—Ordered that a copy of this Resolution, and of the annexed Estimate, be submitted to the Government of India, Financial Department, and that copies be also forwarded to the Accountant-General, to the Public Works Department, Public Works Department, Irrigation Branch of this Government, and to the Judicial, Political, Appointment, Revenue, and General Departments of this Office.

By order of the Lieutenant-Governor of Bengal,
H. J. REYNOLDS,
*Offg. Secy. to the Govt. of Bengal.*

REVISED BUDGET ESTIMATE, PROVINCIAL SERVICES, 1877-78.

REVISED

| RECEIPTS. | | | CHARGES. | | |
|---|---|---|---|---|---|
| **PROVINCIAL SERVICES.** | | | | | |
| MAJOR HEADS. | Rs. | Rs. | MAJOR HEADS. | Rs. | Rs. |
| Opening balance ... ... | ..... | 47,692 | Refunds ... ... | 5,17,100 | |
| Jails ... ... | 8,37,700 | | Land Revenue ... ... | 22,62,000 | |
| Registration ... ... | 7,18,500 | | Excise ... ... | 2,92,000 | |
| Police ... ... | 69,654 | | Customs ... ... | 6,93,000 | |
| Education ... ... | 4,73,780 | | Salt ... ... | 39,000 | |
| Medical ... ... | 1,62,840 | | Stamps ... ... | 2,38,000 | |
| Printing ... ... | 63,100 | | Law and Justice... ... | 63,97,000 | |
| Marine ... ... | 10,84,300 | | Administration ... ... | 12,61,000 | |
| Miscellaneous ... ... | 8,91,600 | | Jails ... ... | 16,05,374 | |
| Public Works ... ... | 93,000 | | Registration ... ... | 5,76,416 | |
| Excise ... ... | 64,00,000 | | Police ... ... | 40,86,042 | |
| Customs ... ... | 36,000 | | Education ... ... | 25,10,940 | |
| Salt ... ... | 2,20,000 | | Medical ... ... | 13,23,023 | |
| Stamps ... ... | 1,04,40,000 | | Printing ... ... | 2,80,949 | |
| Law and Justice ... ... | 7,25,000 | | Marine ... ... | 10,92,796 | |
| | | 2,22,25,474 | Miscellaneous ... ... | 1,64,460 | |
| | | | Minor Departments ... | 5,66,256 | |
| | | | Stationery ... ... | 4,98,000 | |
| Debt heads ... ... | 3,00,000 | | Public Works ... ... | 24,91,338 | |
| Net Imperial assignment as per Statement A ... | 48,32,000 | | Petty Construction ... | 65,918 | |
| | | 51,32,000 | Rent, Rates, and Taxes... | 1,93,355 | 2,71,53,967 |
| Contribution from Provincial Reserve Fund ... | ..... | 70,000 | Debt heads ... ... | ..... | 3,00,000 |
| | | | Total ... | ..... | 2,74,53,967 |
| | | | Closing balance ... ... | ..... | 11,199 |
| Total ... | ..... | 2,74,65,166 | Total ... | | 2,74,65,166 |

ESTIMATES, 1877-78.

## PROVINCIAL RESERVE.

| RECEIPTS. | Rs. | Rs. | EXPENDITURE. | Rs. | Rs. |
|---|---|---|---|---|---|
| 1. Pound Fund ... | 2,75,742 | | 1. Pound Fund ... | 1,51,780 | |
| 2. Pleadership Examination Fund ... ... | 3,500 | | 2. Pleadership Examination Fund ... | 3,022 | |
| 3. Police Clothing Fund | 1,15,000 | | 3. Police Clothing Fund | 1,13,212 | |
| 4. Circuit-house Fund ... | 5,774 | | 4. Circuit-house Fund | 5,000 | |
| 5. Darjeeling Improvement Fund ... ... | 4,000 | | 5. Darjeeling Improvement Fund ... | 4,000 | |
| 6. Steam-boiler Fund ... | 12,000 | | 6. Steam-boiler Fund ... | 11,923 | |
| 7. Local P. W. ... ... | ..... | | 7. Local P. W.—Establishments ... ... | 8,441 | |
| Ferry Tolls ... | 5,35,000 | | Ferry Tolls ... | 4,99,250 | |
| Road Tolls ... | 10,000 | | Road Tolls ... | 625 | |
| Canal and River Tolls ... ... | 7,30,000 | | Canal and River Tolls ... ... | 6,20,000 | |
| Strand Bank Rent | 37,300 | | Strand Bank Rent | 49,544 | |
| Staging Bungalow | 10,700 | | Staging Bungalow | 15,000 | |
| Chittagong Port Fund ... ... | 27,500 | | Chittagong Port... | 27,500 | |
| | | | 8. Contribution ... | 70,000 | |
| Total ... | | 17,66,516 | Total ... | | 15,79,297 |
| Opening balance ... | | 1,03,027 | Closing balance ... | | 2,90,246 |
| GRAND TOTAL ... | | 18,69,543 | GRAND TOTAL ... | | 18,69,543 |

*Abstract of Balances.*

| RECEIPTS. | Rs. | Rs. | EXPENDITURE. | Rs. | Rs. |
|---|---|---|---|---|---|
| Opening balance Provincial Services ... | 47,692 | | Closing balance Provincial Services ... | 11,199 | |
| Opening balance Provincial Reserve ... | 1,03,027 | | Closing balance Provincial Reserve ... | 2,90,246 | |
| Total ... | | 1,50,719 | Total ... | | 3,01,445 |

A.

*Statement shewing Revenues and Expenditure transferred from the Imperial to the Provincial Government by the Resolution of the Financial Department, No.* 1899, *dated* 29*th March* 1877.

| Receipts. | 1873-74. | 1874-75 | 1875-76. | 1876-77. | 1877-78. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Excise ... ... ... | 58,08,000 | 56,34,000 | 60,88,000 | 63,00,000 | 64,00,000 |
| Customs [miscellaneous warehouse rents] ... | 34,000 | 47,000 | 36,000 | 36,000 | 36,000 |
| Salt [minor items] ... ... | 1,62,000 | 1,15,000 | 1,94,000 | 2,23,000 | 2,20,000 |
| Stamps ... ... ... / Law and Justice ... ... | 91,42,000 | 96,87,000 | 1,00,33,000 | 1,03,00,000 | 1,05,75,000 |
| Marine ... ... ... | 10,18,000 | 10,42,000 | 11,01,000 | 10,91,000 | 10,84,000 |
| Miscellaneous ... ... | 10,27,000 | 7,12,000 | 7,73,000 | 7,71,000 | 7,92,000 |
| | | | | | 1,91,07,000 |
| Net Imperial grant ... | ..... | ..... | ..... | ..... | 48,32,000 |
| | | | | | 2,39,39,000 |

| Expenditure. | 1873-74. | 1874-75. | 1875-76. | 1876-77 | 1877-78. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Refunds ... ... ... | 4,97,000 | 5,52,00 | 5,12,000 | 4,63,000 | 4,91,000 |
| Land Revenue ... ... | 22,04,000 | 22,89,000 | 22,42,000 | 22,68,000 | 22,62,000 |
| Excise ... ... ... | 2,90,000 | 2,93,000 | 2,90,000 | 2,93,000 | 2,92,000 |
| Customs ... ... ... | 6,65,000 | 6,52,000 | 6,69,000 | 6,80,000 | 6,93,000 |
| Salt ... ... ... | 37,000 | 34,000 | 37,000 | 39,000 | 39,000 |
| Stamps ... ... ... | 2,25,000 | 2,16,000 | 2,39,000 | 2,35,000 | 2,38,000 |
| Law and Justice ... ... | 62,97,000 | 64,62,000 | 63,34,000 | 63,56,000 | 63,97,000 |
| Administration ... ... | 12,99,000 | 13,09,000 | 12,54,000 | 12,62,000 | 12,61,000 |
| Minor Departments ... | ..... | ..... | ..... | ..... | 1,68,000 |
| Marine ... ... ... | 10,75,000 | 10,82,000 | 10,12,000 | 11,02,000 | 10,92,000 |
| Stationery ... ... ... | ..... | ..... | ..... | ..... | 4,98,000 |
| Police ... ... ... | ..... | ..... | ..... | ..... | 7,000 |
| Miscellaneous ... ... | 18,000 | 18,000 | 31,000 | 22,000 | 25,000 |
| Bishop's Palace, &c. (Public Works) ... ... ... | ..... | ..... | ..... | ..... | 7,000 |
| | | | | | 1,34,70,000 |
| Provincial allotment as hitherto in force ... ... | ..... | ..... | ..... | ..... | 1,10,59,000 |
| | | | | | 2,45,29,000 |
| Deduct retrenchment made by the Government of India | ..... | ..... | ..... | ..... | 5,90,000 |
| | | | | | 2,39,39,000 |

## RESOLUTION ON THE REPORT OF THE POLICE ADMINISTRATION OF THE TOWN OF CALCUTTA AND ITS SUBURBS FOR THE YEAR 1876.

POLICE.

*Calcutta, the 24th May* 1877.

READ—

The Annual Report on the Police Administration of the Town of Calcutta and its Suburbs for the year 1876.

THE total number of cases reported in the Town and Suburbs of Calcutta during the past year was 35,733. In 1875, 37,763 cases were instituted. The decrease is in great measure owing to a falling off in the number of conservancy prosecutions in the Suburbs, but it is to some extent observable under most heads, cognizable and non-cognizable, and in offences under the Penal Code, as well as in miscellaneous offences. The number of persons arrested shows a corresponding falling off, and the increase which nevertheless took place in convictions is ascribed to the withdrawal of magisterial powers under Act IV of 1866 from the Deputy Commissioner. This has rendered it necessary for the police to place all persons arrested before either the Commissioner or the Magistrate, and persons discharged with a warning by the Magistrate are shown as convicted, whereas persons similarly released by the Deputy Commissioner could not be so shown. It is found that 25,861 persons out of 35,368 arrested were convicted in 1876, against 22,792 out of 36,930 in 1875. The convictions for offences under the Penal Code show that in the Town there is one criminal in every 126 persons, and in the Suburbs 1 in 170. The proportion of criminals to population is about the same for Hindoos and Mussulmans in the Suburbs. In the Town, however, the proportion borne by Mussulman criminals to population is more than double that of the Hindoos. The explanation of both phenomena is no doubt to be found in the circumstance that the low floating population of the town, which provides the lascars, porters, carters, and the like, is chiefly made up of Mussulmans.

2. The total number of true cases of offences against property fell from 2,808 in 1875 to 2,565 in 1876, and the value of the property stolen from Rs. 1,64,646 to Rs. 1,05,667. The Commissioner claims to regard this as a proof of the successful efforts of the police during the year. The Lieutenant-Governor, however, remarks that the number of cases detected has decreased in still greater proportion, and the diminution in dishonest crime may not unreasonably be credited rather to the successful prosecutions of 1875 than to the vigilance of 1876. It may even be apprehended that the diminished success in convictions in the past twelve months may result in an increase in the number of offences against property during the current year. The falling off in the value of property stolen cannot be taken as a necessarily favourable symptom. The statistics of property stolen and recovered are often violently disturbed by some exceptional circumstance entirely beyond the control of the police. Thus a great part of the difference in the value of the property stolen in 1875 and 1876 is represented by the value of the jewels of the Maharajah of Cashmere, which were stolen in the former year. When once a theft occurs, the amount stolen may be great or small, without culpability of the police being in any way increased or lessened. In 1874 there was a falling off in offences, a large increase in detections, and at the same time a very large increase in the value of the property stolen, over the preceding year.

3. *Town.*—Turning to the detailed classification of crime, the Lieutenant-Governor remarks that serious offences against person and property both show an increase, and minor offences a decrease. The difference is so small that no explanation is offered, nor indeed is any possible. Four murders were committed during the year—two by drunken sailors and two by natives—and five attempts at murder were made, in four of which natives were the culprits, while in the fifth the offender was a European soldier. In 1875 there were only three murders and two attempts. The Lieutenant-Governor admits, however, that ordinarily the occurrence of offences of this nature is no reproach to the police. They cannot usually be expected to prevent murders of this sudden character, and they can only be blamed if they fail to detect the murderers. Mr. Eden

remarks with satisfaction that in this year, unlike 1875, there have been none of those atrocious cases, once so common in Calcutta, in which prostitutes are murdered for the sake of their ornaments. The two native murderers were convicted. The sailors were acquitted under circumstances which reflect no discredit on the police. In four out of the five cases of attempt at murder the offenders were convicted; in the fifth the accused was pronounced insane and was removed to a lunatic asylum. Three cases of culpable homicide occurred. In one case death resulted from rupture of the spleen, and the accused was discharged; in one the accused was convicted; and in the third case (No. II) there was an apparent failure of justice. The Lieutenant-Governor desires to be informed if any steps were taken to punish the man Cook, at whose hands, according to his own statement, the native boatman met his death. There were 13 cases of grievous hurt, of which five were withdrawn by the complainants. In one the accused absconded, and in four convictions were obtained. The other three were cases of stabbing, and in none of them was the offender brought to justice. Generally speaking, the Lieutenant-Governor is satisfied with the action of the Calcutta police in regard to offences against the person. The only unsatisfactory feature is the failure to obtain convictions in cases of stabbing arising out of drunken brawls; but in these the attendant circumstances doubtless render it difficult to establish judicially the guilt of the offender.

4. It is by their action in preventing and dealing with offences against property that the police of a large city must be judged. In Calcutta so many shops containing valuable property are left at night unguarded and protected only by a flimsy padlock, and the habit of entertaining as servants persons of unknown antecedents is so common, that the difficulties of the police in both directions are much enhanced. Under all the circumstances, Mr. Eden considers it satisfactory that only 102 cases of burglary occurred in Calcutta during the past year, and that of these 25 were detected. Only 73 out of the 102 were successful burglaries, and of these only 60 occurred at night. Out of 1,961 true cases of theft, 821 were successfully enquired into. This is a satisfactory result. Under the heads of "lurking" and "possessing suspicious property," the Lieutenant-Governor is glad to observe that arrests have not been so indiscriminate as last year. The Lieutenant-Governor, however, is unable to follow Mr. Metcalfe's argument on this point. Apparently he urges that the withdrawal of magisterial powers from the Deputy Commissioner has led to the police being more careful in their arrests, since now all people arrested have to be brought before a Magistrate; all such persons discharged by a Magistrate will under the existing rule be shown as acquittals in the returns, and it is presumably the dread of this which has led to the police being instructed "not to arrest without a reasonable prospect of securing a conviction." Mr. Metcalfe apparently regrets this restriction. To the Lieutenant-Governor, on the other hand, some restriction seems obviously required, and though the motive which has led to this increased caution on the part of the police is not one which can be highly commended, he trusts that cautious action in this direction will be strictly maintained. At the same time the Lieutenant-Governor observes that the probability of a conviction is a very unsafe guide for a police officer in judging of the propriety of an arrest, especially when his suspicions are first aroused. A police officer should arrest no one capriciously, hastily, or without reasonable grounds; but he must be singularly wanting in a sense of what the public have a right to expect from him if he omits to arrest a man against whom he has fair proof, or strong suspicion, simply because he is afraid that the judicial officer will acquit him. All that Government expect is that the Commissioner will check the action of the police in the exercise of the discretion allowed them, not by any hard-and-fast rule, but by taking proper notice of any instances of want of judgment or arbitrary conduct. But no police can be efficient if they are for ever haunted by the fear of showing too many acquittals.

5. The circumstances under which the forgery case connected with the office of the Executive Engineer of the Presidency Division was detected, and the forgers convicted, were most creditable to Darogah Shama Churn Mookerjee, and the Lieutenant-Governor hopes that he has already been rewarded with promotion.

6. *Suburbs.*—In the Suburbs there was little variation in the amount of cognizable crime. Three murders and one attempt at murder occurred, and all were detected. One of these, the notorious case of Judoonath Gangooly, is wrongly entered in the report under culpable homicides. In two out of the three cases of culpable homicide the accused were convicted. The sentence of six months' imprisonment and Rs. 50 fine passed by the Deputy Magistrate of Sealdah on the persons who tortured a woman with ground chillies and burnt her with heated metal seems to have been most inadequate, and a report on the subject will be called for from the Commissioner of the Presidency Division. One hundred and twenty-two burglaries occurred, of which 63 were successful and 27 cases were detected. Three hundred and thirty-five cases of theft were detected out of a total of 841. The number of cases is not excessive, nor are the results specially bad. The suburban area is large and the constables' beats are extensive, while the construction of the houses, the irregular formation of the streets and lanes, and the defective lighting, afford facilities for the commission of burglaries. Still, though the results are fair, the suburban police has not been so successful as the city force.

7. There was a slight decrease in the number of suicides and some increase in the number of accidental deaths. The most noteworthy accident that occurred was the unfortunate explosion of the torpedo boat on the river, in which eleven persons lost their lives.

8. The imports of all descriptions of fire-arms and of gunpowder during the past year show a remarkable decrease, and this is especially noticeable in respect of arms intended for the Bengal frontier districts and the Upper Provinces. The instance quoted by Mr. Metcalfe seems to suggest the necessity for a rule requiring dealers to enter on transit passes the arms and ammunition sold. It may be questioned, however, if even this would be sufficient to prevent the use of passes a second time. Mr. Metcalfe's recommendations on this point should be submitted in a separate communication, when they will be duly considered.

9. The Lieutenant-Governor observes that the decrease in the number of operations under the European Vagrancy Act which has been effected of late years is still sustained. This is attributable to the vigilance which has been exercised over the proceedings of importers of horses from Australia. Attempts have often been made to evade the responsibilities imposed by the Vagrancy Act by entering the names of the grooms on the ship's articles as seamen, and then having them discharged as such in Calcutta. A little confusion has arisen in some cases, owing to a diversity of opinion as to the actual capacity in which the men in charge of the horses were employed on board. The great distinction to be observed is whether the men are servants of the ship, hired by the master under the usual seaman's agreement to look after any horses that may be on board, or have been hired by the owner of the horses to accompany the animals on the voyage. In the former instance, though the men might be technically held to be seamen, the Shipping Master would be quite justified in refusing to discharge them, on the ground that they would be unlikely to obtain further employment as sailors; in the latter, the importers should be held responsible for the expense of deporting the men, should action be taken against them under the Vagrancy Act. In no case should the cost be a charge upon the public revenues.

10. The number of men dismissed from the police (1,481, or 4·8 per cent.) is large. In the Suburbs the number of dismissals increased from 6 to 44. The only satisfactory feature about this return is the absence of the names of European constables from the list, and the fact that only one officer of the higher grades was removed. The number of deserters, particularly in the Suburbs, continues to be large. Mr. Eden is glad to see that the gross number of fines inflicted shows a substantial decrease on the previous year. He regrets, however, to observe that it is still considered advisable to inflict this punishment on Inspectors. In the Lieutenant-Governor's opinion an Inspector should very rarely be fined. If he is regardless of reprimands he should be reduced or discharged. The Lieutenant-Governor observes that the proportion of Bengalees to up-country men in the force is 311 to 1,867. It is undoubted that Bengalees are not generally well suited for duties of watch and ward, and particularly for night patrol. But Mr. Eden must observe that watch and ward is not all that police officers have to look to, and that no civil police

can be efficient if most of the men are only fit for duty as sentries; and efforts should be made to induce Bengalees, who are essential for detective purposes, to join the force. It is out of the question to expect men from the Upper Provinces to be of any real use in detecting crime among a Bengalee population. The arguments adduced against the enlistment of Bengalees as constables do not hold against their appointment to the higher grades. It appears that the numbers of Bengalees and up-country native officers were nearly the same on the 31st December 1876 as on the same date in 1875. The last report showed only 39 of the latter, but it has been ascertained that 20 were then on special duty in connection with the Prince of Wales's visit, and were consequently not shown in the return. The Lieutenant-Governor must insist upon the employment of a greater number of intelligent and educated Bengalees in the Calcutta Police.

11. It is impossible to reconcile the figures of old offenders borne upon the registers of the Town and Suburbs as given in the two last reports. It is stated, however, that 793 old offenders "disappeared" in 1875 and 395 in 1876. It would seem that many of those who are entered as "disappeared" in 1875 were, in consequence of a careful scrutiny of the register, struck off altogether in 1876, and that many of them also re-appear in the Suburban register, having been found at their homes in the Suburbs. The Lieutenant-Governor considers that the police should have been able to give more definite information regarding the destination of the large body of criminals who have been lost sight of. It may be presumed that a great number of them have gone to practise crime in the interior, or in other sections of the town, and a thoroughly efficient metropolitan police should be able to warn the provincial authorities of the departure of noted criminals for their jurisdiction. Similarly, there can be little doubt that the criminal ranks in Calcutta have during this period received considerable accessions of persons convicted in the interior; but it does not appear whether any such names have been entered on the registers. All this points to what has been the subject of much regret to Government—the want of cordial and free interchange of communication between the metropolitan and the provincial police. The Lieutenant-Governor trusts that vigorous, but discreet, action will be taken under the Presidency Magistrates' Act to have security for good conduct required from persons of notoriously bad livelihood, and that old offenders on fresh conviction will be severely dealt with.

12. Mr. Eden desires to record his acknowledgments of the zeal and energy exhibited by the police in conducting the extra duties which devolved upon them in connection with the census of Calcutta. He is also glad to learn that the Inspectors have given satisfaction to the Health Officer by the attention which they have displayed in the performance of their duties as registering officers of births and deaths.

13. Mr. Metcalfe concludes his report by remarking that, so far as his experience goes, he would be disposed to recommend the extension of the jurisdiction of the Commissioner to Howrah. This proposal has already engaged the attention of Government on more than one occasion, and it has been merged in the larger question of appointing one head to the police of Bengal, metropolitan and provincial. The disadvantages of the present system are sufficiently obvious, and evidence is constantly appearing that crime is committed in Calcutta by persons residing beyond its limits, and *vice versâ*. At the same time there is perhaps only a small portion of Howrah that can be fairly designated a city area; the remainder in no way differs from the usual agglomeration of villages of which mofussil municipalities are composed, and it has been pronounced by competent authority to be unsuited for police administration on the metropolitan system. The whole question, however, is still in abeyance, and the Lieutenant-Governor will be ready to consider any recommendations which further experience may suggest to Mr. Metcalfe.

14. The Lieutenant-Governor is glad to observe the testimony borne by the Commissioner to the efficiency of Mr. Charles, who has been in immediate charge during the greater part of the year. The Superintendents and most of the Inspectors have also merited the satisfaction of their superiors.

By order of the Lieutenant-Governor of Bengal,

S. C. BAYLEY,

*Secretary to the Government of Bengal.*

## SANITARY REFORM IN CALCUTTA.

THE following letter, No. 100, dated the 18th May 1877, received from the Government of India in the Home Department, is published for general information :—

From—ARTHUR HOWELL, ESQ., Offg. Secy. to the Govt. of India, Home Dept.,
To—The Secretary to the Government of Bengal, Judicial Department.

I AM directed to acknowledge your letter No. 2066, dated the 20th ultimo, submitting the report of the Health Officer of Calcutta for the first quarter of 1877.

2. The Governor-General in Council has read the report with much interest, and he trusts that the Government of Bengal will carefully watch the progress of the Calcutta Municipality in sanitary reform, in which a very great deal still requires to be done. The Health Officer of Calcutta appears to be doing excellent work in this direction, which His Excellency in Council is glad to acknowledge.

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 9th June 1877.*

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| | **BENGAL.** | | |
| | *Western Districts.* | | |
| BURDWAN DIVS. 1 | Burdwan, June 11*'77 | 2·29 | The rainfall at Culna has been 1·82 inches, at Cutwa 7·28 inches, at Boob-Bood 2·06 inches, at Jehanabad 4·86 inches, and at Raneegunge ·37 of an inch. The rains have done much good to the crops. Fever is prevalent. A few cases of cholera reported from Culna. |
| 2 | Bankoora, „ 9 „ | 2·84 | Weather—Showery. The rains seem to have set in. The early rice is being sown, and ploughing is going on in all directions. A severe storm is reported from Jeypore, in the south-east of the district. |
| 3 | Beerbhoom, „ 9 „ | 2·44 | Weather—Seasonable. State and prospects of the crops are good. |
| 4 | Midnapore, „ 9 „ | 3·62 | Very heavy rain fell on the 4th instant. The days are generally cloudy and showery, and the rains seem to have set in. The prospects of the crops are generally good. |
| 5 | Hooghly, „ 9 „ | 4·81 | Weather—Cloudy, with rains and intervals of sunshine. The rains have been beneficial to the crops. The early rice has germinated, and the seedlings are doing well. The late rice is being sown. Public health is normal. Cattle disease still exists in one village in thana Pandooah. |
| | Howrah, „ 9 „ | 1·13 | Weather—Very hot, with fair fall of rain. The preparation of lands is favorably going on. |
| | *Central Districts.* | | |
| PRESIDENCY DIVS. 6 | 24-Pergunnahs, June 11 †'77 | 1·00 | Weather—Very warm, with constant rain. The sowings of early rice are all but completed, and the young plants are doing well. Public health is generally good. |
| 7 | Nuddea, „ 9 „ | 3·22 | The rains appear to have fairly commenced, though with no great violence. The alternations of sun and rain are doing great good to the crops. Sugarcane and rice promise very well. |
| 8 | Jessore, „ 9 „ | 4·42 | Weather—Very rainy during the latter part of the week. The sowing of late rice still continues. Early rice and indigo promise well. *Til* oilseed is giving a good outturn. The mango crop is indifferent. |
| 9 | Moorshedabad, „ 9 „ | 2·74 | Weather—Cloudy and close. The rain has been most beneficial to the crops on the ground, and to the cultivation of lands for the late rice. Prospects on the whole are good. Cholera has much abated. |
| RAJSHAHYE AND COOCH BEHAR DIVS. 10 | Dinagepore, „ 8 „ | 1·78 | Weather—Several smart storms, and occasional steady rain, as if the season had set in. 1·38 inches of rain registered at Roygunge. State and prospects of the crops are very good. Young jute is 3 feet high and more. *Bhadoi* rice and sugarcane are flourishing. Ploughing for the winter rice is being pushed on. Cholera is slackening but a bad outbreak in the jail caused by a sick prisoner brought in from Pateeram. |
| 11 | Rajshahye, „ 9 „ | 5·22 | Rain has fallen every day, from Monday to Friday. It was very heavy on Thursday and Friday. In the Nattore sub-division, nearly seven inches were registered up to Friday evening. The heavy rain has impeded to some extent the later *dhan* sowings, and has done much damage to the sessamum crop, which was almost ripe. All other crops on the ground are thriving. |
| 12 | Rungpore, „ 8 „ | 2·15 | Weather—Close and warm, with showers of rain at intervals. The rainfall at Gaibanda has been 2·28 inches, and at Kurigram 1·4. The prospects of *aous* rice continue to be favorable, and *amus* rice is being transplanted. General health is on the whole good. |
| 13 | Bogra, „ 9 „ | 4·24 | The rains seem to have fairly begun. The crops are reported to be in a good state. The rain has been favorable to the standing crops as well as to sowing operations. |
| 14 | Pubna, „ 9 „ | 5·21 | There has been good occasional rainfall during the week, and the state and prospects of the crops are favorable. |

* Telegram of the 11th June shows rainfall during the seven days immediately preceding.

† Report of the 11th June shows rainfall during the seven days immediately preceding.

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| | **BENGAL.—(*Continued.*)** | | |
| | *Central Districts.* | | |
| RAJSHAHYE AND COOCH BEHAR DISTS. 15 | Darjeeling, June 8 '77 | 2·0 | Weather—Frequent showers, but not heavy. In the hills rice, Indian corn, and the millets, are progressing favorably. In the plains *bhadoi dhan* is doing well, but a little more sun is needed to kill the grass that grows with it. *Haimunti dhan* is beginning to germinate. |
| 16 | Julpigoree, " 9 " | 3·57 | Weather—Rainy, with less wind, and the air very damp. The *bhadoi* and *haimunti* rice crops, and jute, are favorable in all parts of the district except Patgram (the extreme south), where the crops are rather backward, and injured slightly by excessive rain. |
| | Cooch Behar, " 7 " | ·21 | There has been little rain during the week, and the weather is very warm, but not oppressive owing to light breezes prevailing. 1·49 inches of rain registered at Dinhatta, ·48 of an inch at Mekligunge, and ·47 of an inch at Mathabhanga. *Cheena* and *kaon* millets are nearly reaped. *Amun dhan*, or winter rice, is being sown in some places, and the ground is generally being prepared for it. All prospects are good. No cholera in an epidemic form has appeared this year. There have been only two or three isolated cases. |
| | *Eastern Districts.* | | |
| DACCA DISTS. 17 | Dacca, June 11* '77 | 3·21 | Weather—Seasonable. State and prospects of the crops are very favorable. |
| 18 | Furreedpore, " 9 " | 4·28 | Very heavy rain fell during the week, especially in the middle and north of the district. 2·23 inches registered at Goalundo, and 1·6 at Madaripore. An interval of dry weather is much to be desired. The prospects of the crops are generally good, but there has been too much rain. |
| 19 | Backergunge, " 7 " | 2·27 | Weather—Seasonable. State and prospects of the crops are good. The cattle are healthy. Cholera and fever in a sporadic form are still present. |
| 20 | Mymensingh, " 8 " | 5·49 | Weather—Rainy and seasonable. State and prospects of the crops are good, but the jute plants in the Kishoregunge sub-division are reported to have been damaged by insects. |
| 21 | Tipperah, " 8 " | 2·23 | Weather—Rainy throughout the week. The prospects of all the crops are good. |
| CHITTAGONG DISTS. 22 | Chittagong, " 7 " | 2·07 | Weather—Cloudy, with occasional showers and thunder-storms. The reaping of *pania aous* has commenced in some parts. Common *aous* is being sown throughout the district. Cholera is abating, but small-pox is reported from the south. |
| 23 | Noakholly, " 7 " | 2·63 | Weather—Seasonable. Heavy rain fell on the 5th and 6th instant. The sowing of the early rice has been completed, and that of the late rice is still going on. Prospects continue favourable. Fever has somewhat abated. Stray cases of cholera are still reported from Dalal Bazar. |
| 24 | Chittagong Hill Tracts, " 5 " | 1·22 | Weather—Cloudy, with occasional falls of rain. Sowing still continues. The paddy and cotton crops in the early *jooms* are thriving well, and the falls of rain during the week have improved their prospects. Cholera is still prevalent in the upper Chengri Valley. |
| | Hill Tipperah, " 6 " | 1·51 | There have been slight showers of rain throughout the week, and the ploughing for the early rice is going on favorably. |
| | **BEHAR.** | | |
| PATNA DISTS. 25 | Patna, June 11* '77 | Nil | Weather—Hot, with easterly winds. The prospects of the crops are good. Public health is fair. |
| 26 | Gya, " 9 " | Nil | Weather—Cloudy and hot. ·14 of rain registered at Jehanabad. Ploughing is going on. General health is good. |
| 27 | Shahabad, " 9 " | ·62 | Weather—Cloudy and hot. Showers of rain fell on the 8th instant, and on the morning of the 9th. The threshing of the *rubbee* crops has been in some places delayed, and the seed has suffered, but not to a serious extent, from the unseasonable rain which has fallen at intervals throughout the hot weather. The crops on the ground are doing well. The mango crop is very poor this year. Health of the district is good. |
| 28 | Durbhunga, " 9 " | ·49 | Weather—Seasonably hot. State and prospects of the crops are quite satisfactory. |
| 29 | Mozafferpore, " 9 " | ·18 | Weather—Warm. The *dhan*, *moog*, and indigo crops, are in a promising condition. In the Seetamurhee sub-division ·45 of an inch of rain fell, but there was no rainfall in the Hajeepore sub-division during the week. Public health is good. |

* Telegrams of the 11th June show rainfall during the seven days immediately preceding.

| No. | District, and date of return. | | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|---|
| BEHAR.—(*Continued.*) | | | | |
| PATNA DIVN. 30 | Sarun, | June 9 '77 | 2·39 | Weather—Very close, with east winds prevailing. A heavy and most timely shower of rain (2·39 inches) fell at head-quarters on the morning of the 8th instant, while the fall at Sewan was much greater (3·6 inches). All the crops are coming on well, and their prospects are favorable. *Cheena* is fast ripening, and is being harvested in places. Lands are being prepared for the *bhadoi* crops, and sowings have commenced in some places. |
| PATNA DIVN. 31 | Chumparun, | „ 9 „ | 1·26 | East winds prevailed during the week with great heat. The frequent showers which fell during the week have been of much benefit in enabling the cultivators to prepare their lands for the *bhadoi* crops. The *cheena* crop is reported good. Cholera still continues in the frontiers of the district. |
| BHAGULPORE DIVN. 32 | Monghyr, | „ 9 „ | ·9 | Weather—Hot, with occasional slight rain. Ploughing is going on extensively. The crops are not out of the ground as yet. |
| BHAGULPORE DIVN. 33 | Bhagulpore, | „ 11* „ | ·57 | Weather—Variable; east winds common. The prospects of the crops are good. Health is fair. |
| BHAGULPORE DIVN. 34 | Purneah, | „ 9 „ | ·67 | Weather—Hot and damp. 2·24 inches of rain registered at Kissengunge and 1·50 inches at Arrareah. The rice crop is coming on well. There has been too much rain for the indigo crop in many places. |
| BHAGULPORE DIVN. 35 | Maldah, | „ 9 „ | 1·29 | Weather—Cloudy, with occasional heavy showers. State and prospects of the crops continue to be satisfactory. Cholera has almost disappeared, and only two deaths from small-pox reported during the week. |
| BHAGULPORE DIVN. 36 | Sonthal Pergns, | „ 9 „ | 4·14 | Weather—Storms, with very heavy rain in Dumka, and fierce lightning on the 7th and 8th instant. Rains threatening everywhere. During the week 1·18 registered at Godda, 1·5 at Rajmehal, and ·24 at Deoghur. Ploughing and sowing are going on. Indian corn is above the ground in some places. |
| ORISSA. | | | | |
| ORISSA DIVN. 37 | Cuttack, | June 9 '77 | 1·88 | Weather—Storms of rain and wind every evening, and during the latter part of the week they occurred throughout the day. There is every appearance throughout the district that the regular rains have commenced. A fair average cotton crop is being harvested. The cultivation of the rice crop is forward and progressing. |
| ORISSA DIVN. 38 | Pooree, | „ 7 „ | ·43 | Weather—Seasonable. *Sarad* paddy is being sown in many parts of the district. *Beali* paddy has germinated. The prospects of miscellaneous crops are fair. Public health is good. |
| ORISSA DIVN. 39 | Balasore, | „ 8 „ | 1·90 | Weather—Seasonable, and showers were pretty frequent. The sowings of early rice are making good progress. Public health is generally good, but a few cases of cholera still occur. |
| CHOTA NAGPORE. | | | | |
| | *South-West Frontier Agency.* | | | |
| 40 | Hazareebagh, | June 8 '77 | 1·27 | Weather—Variable. There is every appearance of the monsoon breaking out. Highland rice, *marwa*, *goondli*, and other like crops, are being sown all over the district. Sugarcane promises remarkably well. General health is good. |
| 41 | Lohardugga, | „ 9 „ | 1·96 | There has been rain every day during the week. ·65 registered at Palamow up to 5th instant. The rains seem to have commenced, but they are earlier than usual. The early highland rice and the broadcast sowings for the late crop in the low lands look well. Ploughing and sowing are still going on. Public health, with the exception of several cases of small-pox in Palamow, is good. |
| 42 | Singbhoom, | „ 8 „ | 2·96 | Weather—Seasonable. Agricultural operations continue very active. The district is healthy. |
| 43 | Manbhoom, | „ 9 „ | 2·55 | The rains seem to have commenced. State and prospects of the crops are favorable. |

* Telegram of the 11th June shows rainfall during the seven days immediately preceding.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
*The 12th June 1877.*

H. J. S. COTTON,
*Jr. Secy. to the Govt. of Bengal.*

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Divisions. | Districts. | Stations. | Rain from 20th to 26th May 1877. | Rain from 27th May to 2nd June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL. | | | Inches. | Inches. | Inches. | 1877. | |
| | Western Districts. | | | | | | |
| Burdwan. | Burdwan ... ... | Burdwan ... ... | 0·57 | 2·03 | 10·88 | 2nd June | |
| | | Cutwa ... ... | 0·60 | 1·30 | 11·55 | ditto | |
| | | Cling ... ... | 0·11 | 0·31 | 9·07 | ditto | |
| | | Bood-Bood ... ... | 0·49 | 0·24 | 6·41 | ditto | |
| | | Raneegunge ... ... | 0·67 | 0·41 | 6·60 | ditto | |
| | | Jehanabad ... ... | 0·32 | 2·89 | 14·36 | ditto | |
| | Bankoora ... ... | Bankoora ... ... | 0·11 | 0·97 | 8·31 | ditto | |
| | Beerbhoom ... ... | Soorie ... ... | 0·30 | 0·59 | 8·26 | ditto | |
| | | Hetampore ... ... | 0·76 | 1·00 | 9·87 | ditto | |
| | | Roypore ... ... | 1·11 | 0·78 | 7·56 | ditto | |
| | Midnapore ... ... | Midnapore ... ... | 0·59 | 0·13 | 14·23 | ditto | |
| | | Tumlook ... ... | 0·13 | Not rec. | 9·89 | 26th May | |
| | | Ghattal ... ... | 0·17 | 3·32 | 13·80 | 2nd June | |
| | | Contai { Dy. Collr.'s Office... | 0·62 | 0·25 | 13·10 | ditto | |
| | | Contai { Exe. Engr.'s Office | 0·52 | Nil | 14·34 | ditto | |
| | Hooghly ... ... | Hooghly ... ... | 0·93 | 1·10 | 11·92 | ditto | |
| | | Serampore ... ... | 0·20 | 1·89 | 13·44 | ditto | |
| | Howrah ... ... | Howrah ... ... | Not rec. | 1·71 | 15·36 | ditto | Not recd. 20th to 26th May. |
| | | Mahesh rekha ... ... | 0·39 | 4·86 | 14·89 | ditto | |
| | Central Districts. | | | | | | |
| Presidency. | 24-Pergunnahs ... | Saugor Island ... ... | 0·10 | 1·90 | 14·94 | ditto | |
| | | Calcutta ... ... | 0·25 | 1·39 | 13·92 | ditto | |
| | | Alipore { Dispensary ... | 0·26 | 1·58 | 14·89 | ditto | |
| | | Alipore { Jail ... ... | 1·35 | 0·23 | 14·87 | ditto | |
| | | Buseerhat ... ... | Nil | 1·40 | 12·97 | ditto | |
| | | Baraset ... ... | 0·40 | 2·02 | 12·72 | ditto | |
| | | Diamond Harbour ... | 0·18 | 3·13 | 18·85 | ditto | |
| | | Barripore ... ... | 0·18 | 1·76 | 16·28 | ditto | |
| | | Satkhira ... ... | 0·80 | 2·68 | 23·50 | ditto | |
| | | Barrackpore ... ... | 0·20 | 2·74 | 13·59 | ditto | |
| | | Dum-Dum ... ... | 0·23 | 1·37 | 12·43 | ditto | |
| | | Kishnaghur ... ... | 0·48 | 0·39 | 15·55 | ditto | |
| | | Bongong ... ... | 0·49 | 0·15 | 12·05 | ditto | |
| | Nuddea ... ... | Meherpore ... ... | 0·50 | 1·80 | 14·63 | ditto | |
| | | Chooadanga ... ... | 0·09 | 2·37 | 18·74 | ditto | |
| | | Koostiea ... ... | 0·27 | 3·60 | 16·99 | ditto | |
| | | Ranaghat ... ... | 0·42 | 1·32 | 12·69 | ditto | |
| | | Jessore ... ... | 0·23 | 1·70 | 18·29 | ditto | |
| | | Narail ... ... | 0·60 | 0·20 | 14·31 | ditto | |
| | | Khoolna ... ... | 0·50 | 1·27 | 22·27 | ditto | |
| | Jessore ... ... | Jhenida ... ... | 0·05 | 0·12 | 16·03 | ditto | |
| | | Bagirhat ... ... | Nil | 1·40 | 27·39 | ditto | |
| | | Magoorah ... ... | 1·62 | 0·19 | 20·50 | ditto | |
| | | Berhampore ... ... | 0·92 | 0·27 | 10·11 | ditto | |
| | | Sampore haut ... ... | 0·35 | 2·03 | 10·25 | ditto | |
| | | Lalibagh ... ... | 0·99 | 0·12 | 11·26 | ditto | |
| | Moorshedabad ... | Jungypore ... ... | 0·25 | 0·79 | 9·92 | ditto | |
| | | Azimgunge ... ... | 0·82 | 0·50 | 10·96 | ditto | |
| | | Lalgolla ... ... | 0·61 | 0·65 | 11·03 | ditto | |
| | | Kandee ... ... | 0·42 | 1·42 | 9·90 | ditto | |
| Rajshahye. | Dinagepore ... ... | Dinagepore ... ... | 12·09 | 0·16 | 17·17 | ditto | |
| | | Raigunge ... ... | 8·27 | 0·97 | 16·37 | ditto | |
| | Maldah ... ... | Maldah ... ... | 6·33 | 0·06 | 12·36 | ditto | |
| | | Chanchal ... ... | 8·09 | 0·09 | 14·24 | ditto | |
| | Rajshahye ... ... | Baulesh ... ... | 1·94 | 1·21 | 14·28 | ditto | |
| | | Nattore ... ... | 1·03 | 0·29 | 9·72 | ditto | |
| | Rungpore ... ... | Rungpore ... ... | 15·73 | 0·73 | 25·98 | ditto | |
| | | Bhowanigunge ... ... | 4·04 | Nil | 12·03 | ditto | |
| | | Kurigram ... ... | 10·55 | 0·66 | 24·12 | ditto | |
| | | Bagoogra ... ... | 15·83 | Nil | 24·08 | ditto | |
| | Bogra ... ... | Bogra ... ... | 4·09 | 1·31 | 11·75 | ditto | |
| | | Sherpore ... ... | 1·34 | 0·12 | 12·90 | ditto | |
| | | Nowkhilla ... ... | 1·20 | 0·40 | 8·01 | ditto | |
| | | Panchbibi ... ... | 2·97 | 0·72 | 9·80 | ditto | |
| | | Halsiya ... ... | 3·92 | 0·05 | 8·61 | ditto | |
| | Pubna ... ... | Pubna ... ... | 0·11 | 1·12 | 18·03 | ditto | |
| | | Serajgunge ... ... | 1·10 | Not rec. | 10·56 | 26th May | |
| Cooch Behar. | Darjeeling ... ... | Darjeeling { Telegraph Office | 4·12 | ditto | 18·31 | ditto | |
| | | Darjeeling { Hospital ... | 5·27 | 1·01 | 21·68 | 2nd June | |
| | Julpigoree ... ... | Julpigoree ... ... | 8·17 | 1·14 | 19·47 | ditto | |
| | | Bodah ... ... | 8·52 | Nil | 20·08 | ditto | |
| | | Boxa—Civil Surgeon's Office | 12·47 | 2·50 | 36·16 | ditto | |
| | | Titalya ... ... | 5·52 | 1·32 | 21·21 | ditto | |
| | Cooch Behar Tributary States. | Cooch Behar ... ... | 14·12 | Nil | 31·86 | ditto | |

| Divisions. | Districts. | Stations. | Rain from 30th to 26th May 1877. | Rain from 27th May to 2nd June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL—(*Continued*). | | | | | | | |
| | Eastern Districts. | | Inches. | Inches. | | 1877. | |
| Dacca. | Dacca ... ... | Dacca... Telegraph Office... | 1·51 | Not rec. | 14·49 | 26th May | |
| | | Dacca... Hospital ... | 1·23 | 1·01 | 21·16 | 2nd June | |
| | | Moonsheegunge ... ... | 0·63 | 0·75 | 36·14 | ditto | |
| | | Manickgunge ... ... | 0·61 | 1·78 | 16·47 | ditto | |
| | Furreedpore ... ... | Furreedpore ... ... | 0·97 | 0·57 | 17·29 | ditto | |
| | | Goalundo ... ... | 0·99 | 0·30 | 14·33 | ditto | |
| | | Madaripore ... ... | 1·22 | 0·49 | 19·69 | ditto | |
| | Backergunge ... | Burrisal ... ... | 1·43 | 2·50 | 31·02 | ditto | |
| | | Perozepore ... ... | 0·70 | 0·20 | 20·24 | ditto | |
| | | Patooakhally ... ... | 0·92 | 2·13 | 24·19 | ditto | |
| | | Bhola ... ... | 3·95 | 0·26 | 15·07 | ditto ... | From 4th February. |
| | Mymensingh ... | Mymensingh ... ... | 2·19 | 2·02 | 19·55 | ditto | |
| | | Jamalpore ... ... | 1·98 | 1·06 | 14·38 | ditto | |
| | | Atia ... ... ... | 0·40 | 0·73 | 16·29 | ditto | |
| | | Kishoregunge ... ... | 4·00 | 2·57 | 24·37 | ditto | |
| Chittagong. | Chittagong ... ... | Chittagong Telegraph Office | 1·00 | 8·80 | 15·70 | ditto | |
| | | Chittagong Jail ... | 1·61 | 0·38 | 14·89 | ditto | |
| | | Cox's Bazar ... ... | 2·42 | 0·76 | 13·36 | ditto | |
| | Noakholly ... ... | Noakholly ... ... | 0·75 | 0·03 | 16·56 | ditto | |
| | | Fenny ... ... | 0·97 | 0·37 | 17·81 | ditto | |
| | Tipperah ... ... | Comillah ... ... | 1·31 | 1·35 | 26·95 | ditto | |
| | | Brahmunbariah ... ... | 2·02 | 1·01 | 28·39 | ditto | |
| | Chittagong Hill Tracts | Rungamatee Hill ... | 3·30 | 0·25 | 19·30 | ditto | |
| | Hill Tipperah ... ... | Hill Tipperah ... ... | 1·95 | 1·77 | 30·07 | ditto | |
| BEHAR. | | | | | | | |
| Patna. | Patna ... ... | Patna ... ... | 2·48 | 2·07 | 8·56 | ditto | |
| | | Behar ... ... | 7·57 | Nil | 13·15 | ditto | |
| | | Barh ... ... | 8·55 | ditto | 11·85 | ditto | |
| | | Dinapore ... Jail | 1·62 | Not rec. | 4·99 | 26th May | |
| | | Dinapore ... Cantonment... | 1·04 | 0·25 | 4·21 | 2nd June | |
| | Gya ... ... | Gya ... ... ... | 9·68 | 0·46 | 15·30 | ditto | |
| | | Nowadah ... ... | 10·03 | Nil | 14·07 | ditto ... | Not recd. 18th to 24th February. |
| | | Aurungabad ... ... | 8·68 | 1·06 | 11·37 | ditto ... | Not recd. 12th Jan. and 4th to 10th February. |
| | | Jehanabad ... ... | 4·50 | 0·03 | 10·89 | ditto | |
| | Shahabad ... ... | Arrah ... ... | 1·42 | 1·15 | 10·16 | ditto | |
| | | Sasseram ... ... | Not rec. | Not rec. | 6·96 | 19th May | |
| | | Buxar ... ... | 0·24 | 0·70 | 7·64 | 2nd June | |
| | | Bhuboosh ... ... | Nil | Nil | 5·91 | ditto ... | Not recd. 6th to 12th May. |
| | Mozufferpore... ... | Mozufferpore ... ... | Not rec | Not rec. | 4·08 | 19th May | |
| | | Hajeepore ... ... | ditto | ditto | 4·22 | ditto | |
| | | Seetamurhee ... ... | ditto | ditto | 6·59 | ditto | |
| | Durbhunga ... ... | Durbhunga ... ... | 1·47 | 1·24 | 7·41 | 2nd June | |
| | | Mudhoobunee ... ... | 1·35 | 1·22 | 7·98 | ditto | |
| | | Tajpore ... ... | 2·02 | 0·30 | 6·59 | ditto | |
| | Sarun ... ... | Chupra ... ... | 0·66 | 0·45 | 6·00 | ditto | |
| | | Sewan ... ... | 0·90 | 0·14 | 6·95 | ditto | |
| | Chumparun ... ... | Motiharee ... ... | Nil | 0·92 | 8·31 | ditto | |
| | | Bettiah ... ... | ditto | 0·72 | 10·67 | ditto | |
| | | Segowlie ... ... | ditto | 1·51 | 11·11 | ditto | |
| Bhagulpore. | Monghyr ... ... | Monghyr ... ... | 4·13 | 0·11 | 9·93 | ditto | |
| | | Beguserai ... ... | 3·78 | Nil | 7·42 | ditto ... | Not recd. 6th to 12th May. |
| | | Jamooee ... ... | 5·14 | ditto | 10·92 | ditto | |
| | Bhagulpore ... ... | Bhagulpore ... ... | 6·55 | 0·17 | 12·67 | ditto | |
| | | Soopool ... ... | 2·70 | 2·89 | 9·32 | ditto | |
| | | Muddehpoora ... ... | 2·40 | 1·90 | 9·24 | ditto | |
| | | Banka ... ... | 2·20 | 0·80 | 7·94 | ditto | |
| | | Sonbursa ... ... | 3·43 | 0·86 | 7·67 | ditto | |
| | Purneah ... ... | Purneah ... ... | 5·94 | 1·80 | 13·64 | ditto | |
| | | Kissengunge ... ... | 5·11 | 0·07 | 12·60 | ditto | |
| | | Arrareah ... ... | 5·10 | Nil | 12·78 | ditto | |
| | Sonthal Pergunnahs | Nya Doomka ... ... | 1·27 | 0·41 | 10·85 | ditto | |
| | | Rajmahal ... ... | 9·20 | Nil | 12·90 | ditto | |
| | | Deoghur ... ... | 2·56 | Not rec. | 12·01 | 26th May | |
| | | Godda ... ... | 3·80 | Nil | 7·27 | 2nd June | |

| Divisions. | Districts. | Stations. | Rain from 20th to 26th May 1877. | Rain from 27th May to 2nd June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| ORISSA. | | | Inches. | Inches. | | 1877. | |
| Orissa. | Cuttack ... ... | Cuttack ... Telegraph Office | 0·50 | 0·40 | 11·70 | 2nd June | |
| | | Cuttack ... Hospital ... | 0·78 | 0·49 | 12·25 | ditto | |
| | | Jajpore ... ... | 0·60 | 1·40 | 18·50 | ditto | |
| | | Kendraparah ... ... | 0·10 | 0·30 | 14·50 | ditto | |
| | | Jugutsingpore ... ... | 0·30 | 1·00 | 7·95 | ditto | |
| | | False Point ... ... | 0·35 | 0·35 | 35·00 | ditto | |
| | Pooree ... ... | Pooree ... ... | 0·31 | 0·14 | 9·23 | ditto | |
| | | Khurdah ... ... | 0·65 | 0·25 | 12·57 | ditto | |
| | Balasore ... ... | Balasore ... Ens. Engr.'s Office | 0·30 | 0·63 | 11·29 | ditto | |
| | | Balasore ... Collector's Office | 0·39 | 0·81 | 12·06 | ditto | |
| | | Bhadrack ... ... | 0·70 | 0·66 | 20·81 | ditto | |
| | | Jellasore ... ... | 0·23 | 1·01 | 14·16 | ditto | |
| | | Serah ... ... | 0·14 | 0·64 | 15·30 | ditto | |
| | | Chandbally ... ... | 0·48 | 0·45 | 16·88 | ditto | |
| | Cuttack Tributary Mehals | Sumbulpore ... ... | 0·06 | Nil | 8·10 | ditto | |
| | CHOTA NAGPORE. | | | | | | |
| | SOUTH-WESTERN FRONTIER AGENCY. | | | | | | |
| | Hazareebagh ... | Hazareebagh ... Jail ... | 1·14 | ditto | 8·76 | ditto | |
| | | Hazareebagh ... Dispensary | 1·28 | ditto | 11·74 | ditto | |
| | | Pachumba ... ... | 1·57 | 0·85 | 9·88 | ditto | |
| | Lohardugga ... ... | Ranchee ... ... | 0·71 | Nil | 13·53 | ditto ... | Not recd. 6th to 12th May. |
| | | Palamow ... ... | 4·65 | ditto | 12·67 | ditto ... | Ditto ditto. |
| | Sing'bhoom ... ... | Chyebassa ... ... | 0·07 | 0·08 | 14·68 | ditto | |
| | Manbhoom ... ... | Purulia ... ... | 0·63 | 0·69 | 13·90 | ditto | |
| | | Goviudpore ... ... | 0·60 | 0·55 | 8·84 | ditto | |
| | ASSAM & ADJACENT HILLS. | | | | | | |
| | Sylhet ... ... | Sylhet ... ... | 7·73 | 0·12 | 29·83 | ditto | |
| | Seebsaugor ... ... | Seebsaugor ... ... | 4·62 | Not rec. | 27·15 | 26th May | |
| | | Golaghat ... ... | 3·23 | ditto | 24·27 | ditto | |
| | | Jorehaut ... ... | 6·21 | ditto | 23·59 | ditto | |
| | | Deopanie ... ... | 3·17 | ditto | 22·61 | ditto | |
| | | Hattiepootie ... ... | 4·05 | ditto | 25·00 | ditto | |
| | | Mazengah ... ... | 3·49 | ditto | 20·85 | ditto | |
| | | Nazeerah ... ... | 4·06 | ditto | 20·51 | ditto | |
| | | Suntock ... ... | 3·48 | ditto | 22·86 | ditto | |
| | | Cherideo ... ... | 4·55 | ditto | 26·42 | ditto | |
| | | Akyab ... ... | 0·90 | 1·70 | 4·20 | 2nd June | |
| | RAJPOOTANA ... | Alwar ... ... | Nil | Not rec. | Nil | 26th May | |
| | | Jaipur ... ... | ditto | 1·44 | 3·49 | 2nd June | |
| | | Sambhar ... ... | ditto | Nil | 1·92 | ditto | |

CALCUTTA,
*The 9th June* 1877.

JOHN ELIOT,
*Meteorological Reporter to the Govt. of Bengal.*

## Meteorological Telegraphic Report for the period 3rd to 9th June 1877.

| Stations. | Date. | Hour. | Barometer reduced to 32°. | Barometer reduced to sea-level. | Hygrometer. Dry. | Hygrometer. Wet. | Humidity Sat.=100. | Wind. Direction. | Wind. Velocity. | Rain. | Clouds. | Weather initials. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcutta. | June 3rd | 10 | 29·706 | 29·724 | 88·8 | 80·7 | 69 | S S E | ..... | ..... | C | |
| | | 16 | 29·594 | 29·612 | 91·6 | 80·4 | 60 | S S W | ..... | ..... | ..... | o |
| | 4th | 10 | 29·743 | 29·762 | 84·3 | 78·7 | 77 | E S E | ..... | 0·14 | K | |
| | | 16 | 29·646 | 29·664 | 86·4 | 79·2 | 71 | S | ..... | ..... | K, N | |
| | 5th | 10 | 29·793 | 29·812 | 84·8 | 78·9 | 76 | S by E | ..... | ..... | ..... | o |
| | | 16 | 29·693 | 29·711 | 81·6 | 78·3 | 86 | S E | ..... | 1·05 | K, C | |
| | 6th | 10 | 29·763 | 29·782 | 83·0 | 80·3 | 88 | S by W | ..... | ..... | ..... | o, d |
| | | 16 | 29·673 | 29·692 | 84·8 | 79·2 | 77 | S | ..... | 0·12 | ..... | o |
| | 7th | 10 | 29·785 | 29·804 | 84·3 | 8·2 | 81 | S | ..... | 0·1 | C, K | |
| | | 16 | 29·653 | 29·671 | 88·0 | 80·7 | 72 | S S W | ..... | ..... | S | |
| | 8th | 10 | 29·708 | 29·737 | 83·8 | 81·3 | 89 | S S W | ..... | 0·17 | ..... | o, t |
| | | 16 | 29·615 | 29·633 | 85·2 | 79·2 | 76 | S S W | ..... | 0·10 | S | |
| | 9th | 10 | 29·633 | 29·651 | 82·0 | 82·3 | 74 | S W | ..... | 0·03 | C | |
| | | 16 | 29·518 | 29·536 | 86·6 | 81·0 | 78 | S W | ..... | ..... | ..... | o |
| Saugor Island. | June 3rd | 10 | 29·714 | 29·720 | 90 | 83 | 73 | W N W | 5·2 | 0·10 | FK | b |
| | | 16 | 29·610 | 29·616 | 85 | 81 | 83 | N | 7·0 | 0·10 | P | d, b, m |
| | 4th | 10 | 29·754 | 29·760 | 86 | 83 | 88 | N | 3·5 | 1·50 | P | b, v, u |
| | | 16 | 29·670 | 29·676 | 85 | 80 | 79 | S | 10·0 | ..... | CS | o |
| | 5th | 10 | 29·802 | 29·808 | 81 | 79 | 91 | S W | 6·4 | 2·30 | P | o, u |
| | | 16 | 29·678 | 29·684 | 85 | 79 | 76 | E | 3·9 | ..... | KS | b, v, uv |
| | 6th | 10 | 29·768 | 29·774 | 82 | 79 | 87 | S S E | 5·6 | 0·20 | P | b, d, ut |
| | | 16 | 29·684 | 29·690 | 86 | 82 | 84 | S | 9·7 | ..... | FK | o |
| | 7th | 10 | 29·785 | 29·791 | 89 | 83 | 77 | S S W | 14·9 | 0·20 | FK | m |
| | | 16 | 29·661 | 29·667 | 88 | 83 | 80 | S | 16·5 | ..... | FK | m |
| | 8th | 10 | 29·724 | 29·730 | 87 | 83 | 84 | S W | 25·0 | ..... | P, FK | o, u |
| | | 16 | 29·612 | 29·618 | 89 | 84 | 80 | S S W | 21·6 | ..... | FK | m, o |
| | 9th | 10 | 29·651 | 29·657 | 88 | 84 | 84 | S W | 24·7 | 0·20 | FK | b, m |
| | | 16 | 29·560 | 29·566 | 85 | 79 | 76 | S S W | 23·1 | ..... | P, FK | m o, u |
| Chittagong. | June 3rd | 10 | 29·665 | 29·757 | 87 | 81 | 76 | S S W | 2·4 | 0·10 | P | m, r |
| | | 16 | 29·575 | 29·664 | 89 | 81 | 69 | S S W | 10·3 | ..... | C, KS | g |
| | 4th | 10 | 29·720 | 29·812 | 87 | 80 | 72 | S S E | 4·5 | ..... | P | g |
| | | 16 | 29·628 | 29·719 | 88 | 82 | 76 | W S W | 4·0 | ..... | PK | m |
| | 5th | 10 | 29·864 | 29·956 | 83 | 79 | 83 | E | 8·4 | 0·50 | P | g |
| | | 16 | 29·660 | 29·752 | 84 | 79 | 79 | S W | 1·7 | ..... | P | g |
| | 6th | 10 | 29·764 | 29·856 | 83 | 79 | 83 | S | 4·8 | 0·10 | P | g |
| | | 16 | 29·673 | 29·765 | 83 | 78 | 79 | S S E | 12·5 | ..... | P | g |
| | 7th | 10 | 29·786 | 29·878 | 87 | 80 | 72 | S | 6·6 | ..... | C | e |
| | | 16 | 29·645 | 29·737 | 87 | 81 | 76 | W | 12·1 | ..... | K, CS | e |
| | 8th | 10 | 29·731 | 29·824 | 80 | 79 | 96 | S | 8·0 | 0·70 | K | |
| | | 16 | 29·638 | 29·711 | 80 | 78 | 91 | S | 6·4 | 0·80 | ..... | r |
| | 9th | 10 | 29·648 | 29·741 | 80 | 78 | 91 | S S E | 6·8 | 1·00 | ..... | r |
| | | 16 | 29·564 | 29·657 | 78 | 77 | 95 | S S E | 6·6 | 3·30 | ..... | r |
| Madras. | June 2nd | 10 | 29·763 | 29·785 | 97 | 78 | 40 | W by N | 11 | ..... | ..... | b |
| | | 16 | 29·679 | 29·701 | 91 | 78 | 54 | S E by E | 12 | ..... | ..... | bc |
| | 3rd | 10 | 29·716 | 29·798 | 91 | 74 | 42 | N by W | 6 | ..... | ..... | b |
| | | 16 | 29·664 | 29·686 | 91 | 78 | 54 | S E by S | 11 | ..... | ..... | b |
| | 4th | 10 | 29·774 | 29·796 | 97 | 78 | 40 | W S W | 8 | ..... | ..... | b |
| | | 16 | 29·673 | 29·695 | 87 | 80 | 72 | S b | 11 | ..... | ..... | b |
| | 5th | 10 | 29·784 | 29·806 | 96 | 78 | 42 | S W | 5 | ..... | ..... | bc |
| | | 16 | 29·694 | 29·716 | 90 | 80 | 63 | S E by E | 8 | ..... | ..... | bc |
| | 6th | 10 | 29·809 | 29·831 | 91 | 76 | 48 | S W | 4 | ..... | ..... | b |
| | | 16 | 29·679 | 29·701 | 88 | 79 | 66 | S E by S | 13 | ..... | ..... | c |
| | 7th | 10 | 29·815 | 29·867 | 91 | 78 | 54 | S | 12 | ..... | ..... | bc |
| | | 16 | 29·727 | 29·749 | 85 | 77 | 68 | S E by S | 17 | ..... | ..... | b |
| | 8th | 10 | 29·842 | 29·864 | 90 | 77 | 53 | S by W | 11 | ..... | ..... | bc |
| | | 16 | 29·705 | 29·727 | 87 | 79 | 69 | S S E | 15 | ..... | ..... | c |
| Cuttack. | June 3rd | 10 | 29·615 | 29·693 | 93 | 81 | 58 | N N E | 1·9 | ..... | ..... | b |
| | | 16 | 29·491 | 29·570 | 101 | 82 | 42 | S E | 3·6 | ..... | K, PK | u |
| | 4th | 10 | 29·670 | 29·756 | 89 | 80 | 66 | N E | 4·2 | 0·80 | K, CK, C | e |
| | | 16 | 29·574 | 29·656 | 85 | 77 | 68 | S S E | 5·2 | ..... | C, K, PK | e |
| | 5th | 10 | 29·690 | 29·771 | 90 | 80 | 63 | N E | 1·3 | ..... | K, CK, C | |
| | | 16 | 29·578 | 29·659 | 89 | 80 | 66 | S E | 4·6 | ..... | K, PK | ut |
| | 6th | 10 | 29·673 | 29·755 | 85 | 79 | 83 | S | 2·1 | 0·20 | P | b, u, t |
| | | 16 | 29·584 | 29·666 | 86 | 81 | 80 | S E | 3·1 | 1·10 | PK, P | e |
| | 7th | 10 | 29·700 | 29·781 | 88 | 81 | 73 | S | 2·8 | ..... | KC | e |
| | | 16 | 29·588 | 29·669 | 89 | 79 | 63 | S | 7·7 | ..... | K, PK | ut |
| | 8th | 10 | 29·678 | 29·759 | 90 | 81 | 66 | S W | 5·4 | ..... | K, PK, C | |
| | | 16 | 29·553 | 29·636 | 81 | 75 | 74 | S | 6·1 | ..... | K, PK | ut |
| | 9th | 10 | 29·621 | 29·702 | 89 | 81 | 69 | S W | 4·7 | ..... | K, CK, PK | e |
| | | 16 | 29·491 | 29·571 | 95 | 81 | 53 | S W | 8·0 | ..... | K, CK, C | |
| Akyab. | June 3rd | 10 | 29·739 | 29·760 | 87 | 79 | 69 | E | 5·1 | 1·30 | CK, N | |
| | | 16 | 29·674 | 29·695 | 87 | 79 | 69 | S S W | 7·0 | ..... | CK, N | |
| | 4th | 10 | 29·808 | 29·829 | 86 | 78 | 68 | E | 4·5 | ..... | CK, N | |
| | | 16 | 29·724 | 29·746 | 84 | 79 | 79 | S | 6·5 | ..... | CK, N | |
| | 5th | 10 | 29·841 | 29·863 | 84 | 80 | 83 | S E | 6·3 | 0·60 | CK, N | |
| | | 16 | 29·768 | 29·790 | 81 | 78 | 87 | S | 7·8 | ..... | CK, N | |
| | 6th | 10 | 29·892 | 29·914 | 80 | 78 | 91 | S E | 2·3 | 2·80 | N | |
| | | 16 | 29·784 | 29·806 | 83 | 79 | 83 | S | 4·3 | ..... | CK, N | |
| | 7th | 10 | 29·889 | 29·911 | 81 | 79 | 91 | S E | 5·2 | ..... | N | |
| | | 16 | 29·764 | 29·786 | 83 | 79 | 87 | S | 7·0 | 0·30 | K, N | |
| | 8th | 10 | 29·839 | 29·861 | 82 | 80 | 91 | E | 2·7 | 1·20 | K, N | |
| | | 16 | 29·784 | 29·806 | 77 | 77 | 100 | W N W | 5·1 | 2·10 | N | |
| | 9th | 10 | 29·817 | 29·839 | 77 | 76 | 95 | S S W | 1·8 | 1·80 | N | r |
| | | 16 | 29·740 | 29·762 | 81 | 78 | 87 | W | 3·8 | 0·10 | CK, N | r |

* Velocity of wind in miles per hour.

CALCUTTA,
*The 9th June 1877.*

JOHN ELIOT,
*Meteorological Reporter to the Government of Bengal.*

## Results of the Meteorological Observations taken at Alipore Observatory from 3rd to 9th June 1877.

| Month. | Date. | Mean pressure; barometer at 32° Fah. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877. | | Inches. | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | Inch. | ⊖ | | | | Inch. | |
| June | 3rd | 29·699 | 81·7 | 94·7 | 17·0 | 77·7 | 76·5 | 0·846 | 74·2 | 78 | Till 8 A.M. N.E. by E. through W. and N., till 9 P.M. S. through E. and S.E., till midnight veered to W. through S.W. | 124 | 1·27 | Partially cloudy till 7 P.M.; night cloudy; *l.* at 7-12 P.M.; rain and strong wind at 9-17 P.M.; *o.* and *g.* |
| " | 4th | ·732 | 80·0 | 91·2 | 16·2 | 75·0 | 77·5 | 0·911 | 76·4 | 89 | Till noon E. by S. through S.E., till 4 P.M. veered to S. through S.E., till midnight S.E. | 63 | .. | Till 11½ A.M. partially cloudy; afternoon cloudy; evening partially cloudy; strong wind at 3½ P.M.; *l.* at 8 P.M.; *o* and *g.* |
| " | 5th | ·756 | 81·4 | 86·5 | 9·4 | 77·1 | 77·5 | 0·832 | 75·8 | 83 | Till 5-15 A.M. S., till 2 P.M. E. through S.E., till midnight S.E. by S. | 100 | ... | Till 2 P.M. cloudy; evening partially cloudy; 5-10 A.M., 11-55, A.M., 1-40 P.M. and at 10-40 P.M.; *d.* 5-17 A.M. and 12-6 P.M.; rainbow at 5-35 A.M.; *o.* and *g.*; night, clear. |
| " | 6th | ·734 | 80·7 | 88·6 | 10·4 | 78·2 | 78·6 | 0·852 | 77·7 | 91 | Chiefly south ... | 118 | 0·26 | Cloudy; *d.* at 9-24 A.M.; rain from 10½ A.M. to 10-20 A.M.; *l.* at 11-40 A.M.; *d.* again at 11½ A.M.; *o.* and *g.* |
| " | 7th | ·742 | 82·5 | 89·6 | 11·1 | 78·5 | 79·7 | 0·981 | 78·7 | 87 | Till 6½ A.M. W.N.W. through W., till midnight south. | 169 | 0·23 | Till 10 A.M. partially cloudy; afternoon evening, and night cloudy; *l.* at 5-20 A.M.; *d.* at 1-5 P.M.; *o.* and *g.* |
| " | 8th | ·604 | 81·3 | 88·2 | 7·2 | 81·0 | 78·7 | 0·945 | 77·5 | 89 | Chiefly south-west | 153 | 0·28 | From 7-30 A.M. to 1 P.M. cloudy; till 3 P.M. partially cloudy; evening and night cloudy; rain at 8¾ A.M., and at 5½ P.M.; *l.* at 9½ A.M., at 1-40 P.M., at 5½ P.M. (thunder-storm at 6-8 P.M. on south-west and again at 8 P.M.); *d* at 10-50 A.M.; *o.* and *g.* |
| " | 9th | ·604 | 81·3 | 92·4 | 14·5 | 77·9 | 78·4 | 0·933 | 77·1 | 87 | Till 10 A.M. S.W., till 1½ P.M. veered to W., till midnight S. through S.W. | 200 | ... | Till 10 A.M. partially cloudy; afternoon, evening, and night cloudy; *l.* at 6-50 P.M.; *l.* at 7 P.M.; rain at 7½ P.M.; *o.* and *g.* |

| | | |
|---|---|---|
| | | Inch. |
| The mean pressure of the seven days | ... | 29·704 |
| The average pressure of the corresponding period for 20 years | ... | 29·570 |
| | | ⊖ |
| The mean temperature of the seven days ... ... | ... | 81·3 |
| The average temperature of the corresponding period for 20 years | ... | 86·2 |
| The extreme variation of temperature during the seven days ... | ... | 19·7 |
| The maximum temperature during the seven days ... | ... | 94·7 |
| The mean humidity during the seven days ... ... | ... | 86· |
| | | Inch. |
| The total fall of rain from 3rd to 9th June ... ... | ... | 2·04 |
| The average fall of the corresponding period for 24 years ... | ... | 2·34 |

The mean pressure, temperature, &c, are deduced from observations made at 6h., 10h., 16h., and 22h; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain gauge is one foot above the ground.

*t.* thunder, *l.* lightning, *o.* overcast, *g.* gloomy, *u.* ugly, *d.* drizzling.

H. F., BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 11th June 1877.

# PUBLIC WORKS DEPARTMENT,—BENGAL.

GENERAL ESTABLISHMENT.—No. 179.—*The 8th June* 1877.

***Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagiruthee, and Brahmapootra during the month of May* 1877.**

| Date. | Miles. | River Ganges. | | | | | | | | | | | | | | River Bhagiruthee. | | | | Brahmapootra. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Benares. | | Buxar. | | Dinapore. | | Monghyr. | | Sahebgunge. | | Rampore Bauleah. | | Goalundo. | | Berhampore. | | Kishnaghur. | | Gowhatty | |
| | | | | 96' | | 177' | 87' | 267' | 110' | 351' | 94' | 471' | 96' | 567' | 120' | | | 70' | | | |
| | Distance. | | | From Benares | | From Benares | From Buxar | From Benares | From Dinapore | From Benares | From Monghyr | From Benares | From Sahebgunge | From Benares | From Rampore Bauleah | | | From Berhampore | | | |
| | | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. | Height over zero of gauge. | Height over mean sea-level. |
| 1st | ... | ..... | ..... | '91 | 168·81 | 1·00 | 141·00 | 0·95 | 109·90 | ·98 | 68·08 | ·94 | 41·96 | 5·08 | 14·02 | 1·04 | 34·04 | 2·33 | 11·12 | 5·30 | 154·06 |
| 2nd | ... | ..... | ..... | '91 | 168·81 | ·97 | 140·97 | 1·00 | 109·85 | ·98 | 68·08 | ·96 | 42·00 | 4·91 | 13·83 | 1·28 | 33·96 | 2·25 | 11·04 | 5·30 | 154·26 |
| 3rd | ... | ..... | ..... | '91 | 168·81 | ·94 | 140·94 | 1·04 | 109·81 | ·94 | 68·04 | ·90 | 42·00 | 4·75 | 13·69 | 1·38 | 33·98 | 2·12 | 10·91 | 5·60 | 154·56 |
| 4th | ... | ..... | ..... | 1·08 | 168·24 | ·91 | 140·91 | 1·00 | 109·85 | ·90 | 68·00 | ·90 | 42·00 | 4·66 | 13·60 | 1·58 | 33·98 | 2·12 | 10·91 | 5·30 | 154·26 |
| 5th | ... | ..... | ..... | 1·16 | 168·16 | ·88 | 140·88 | 0·95 | 109·90 | ·90 | 68·00 | ·92 | 41·98 | 4·62 | 13·56 | 1·54 | 33·94 | 2·08 | 10·87 | 5·30 | 154·06 |
| 6th | ... | ..... | ..... | 1·16 | 168·16 | ·86 | 140·86 | 0·87 | 109·98 | ·90 | 68·00 | ·98 | 41·92 | 4·58 | 13·52 | 1·54 | 33·94 | 2·04 | 10·83 | 5·30 | 154·06 |
| 7th | ... | ..... | ..... | 1·25 | 168·07 | ·93 | 140·93 | 0·83 | 110·02 | below ·90 | 67·91 | ·98 | 41·92 | 4·58 | 13·52 | 1·52 | 33·92 | 2·00 | 10·79 | 5·30 | 154·06 |
| 8th | ... | ..... | ..... | 1·25 | 168·07 | 1·00 | 141·00 | 0·79 | 110·06 | ·90 | 67·91 | ·16 | 41·84 | 4·54 | 13·48 | 1·54 | 33·94 | 2·00 | 10·79 | 5·30 | 154·06 |
| 9th | ... | ..... | ..... | 1·16 | 168·16 | 1·05 | 141·05 | 0·66 | 110·19 | ·90 | 68·00 | ·12 | 41·88 | 4·62 | 13·56 | 1·60 | 34·00 | | | | |
| 10th | ... | ..... | ..... | 1·25 | 168·07 | 1·10 | 141·10 | 0·58 | 110·27 | above ·08 | 68·08 | ·16 | 41·84 | 4·70 | 13·64 | 1·56 | 33·96 | 2·04 | 10·83 | 6·30 | 155·26 |
| 11th | ... | ..... | ..... | 1·08 | 168·24 | 1·15 | 141·15 | 0·45 | 110·40 | ·16 | 68·16 | ·18 | 41·84 | 4·96 | 13·80 | 1·52 | 33·92 | 2·04 | 10·83 | 7·50 | 156·46 |
| 12th | ... | ..... | ..... | 1·08 | 168·24 | 1·20 | 141·20 | 0·33 | 110·52 | ·25 | 68·25 | ·08 | 41·92 | 5·25 | 14·19 | 1·52 | 33·92 | 2·12 | 10·91 | 8·70 | 157·66 |
| 13th | ... | ..... | ..... | 1·08 | 168·24 | 1·20 | 141·20 | 0·25 | 110·60 | ·25 | 68·25 | ·06 | 42·00 | 5·62 | 14·56 | 1·58 | 33·98 | 2·25 | 11·04 | 9·00 | 157·76 |
| 14th | ... | ..... | ..... | 1·08 | 168·24 | 1·30 | 141·30 | 0·20 | 110·65 | ·33 | 68·33 | above ·04 | 42·04 | 6·04 | 14·98 | 1·38 | 33·98 | 2·33 | 11·12 | 8·80 | 157·56 |
| 15th | ... | ..... | ..... | 1·08 | 168·24 | 1·40 | 141·40 | 0·16 | 110·69 | ·41 | 68·41 | ·08 | 42·08 | 6·29 | 15·23 | 1·00 | 34·00 | 2·41 | 11·20 | 8·30 | 157·06 |
| 16th | ... | ..... | ..... | 1·08 | 168·24 | 1·45 | 141·45 | 0·12 | 110·73 | ·50 | 68·50 | ·16 | 42·16 | 6·45 | 15·39 | 1·04 | 34·04 | 2·50 | 11·29 | 8·20 | 156·96 |
| 17th | ... | ..... | ..... | 1·16 | 168·16 | 1·50 | 141·50 | 0·08 | 110·77 | ·50 | 68·50 | ·25 | 42·25 | 6·87 | 15·81 | 1·04 | 34·04 | 2·45 | 11·24 | 8·00 | 156·76 |
| 18th | ... | ..... | ..... | 1·16 | 168·16 | 1·50 | 141·50 | 0·04 | 110·81 | ·38 | 68·38 | ·25 | 42·25 | 7·04 | 15·98 | 1·00 | 34·00 | 2·37 | 11·16 | 11·30 | 160·26 |
| 19th | ... | ..... | ..... | 1·16 | 168·16 | 1·50 | 141·50 | above 0·08 | 110·95 | ·63 | 68·63 | ·31 | 42·31 | 7·08 | 16·02 | 1·75 | 34·15 | 2·41 | 11·20 | 15·20 | 161·26 |
| 20th | ... | ..... | ..... | 1·16 | 168·16 | 1·50 | 141·50 | 0·25 | 102·10 | 1·16 | 69·16 | ·41 | 42·41 | 7·12 | 16·06 | 1·81 | 34·21 | 2·52 | 11·31 | 15·00 | 161·76 |
| 21st | ... | ..... | ..... | 1·16 | 168·16 | 1·55 | 141·55 | 0·33 | 102·03 | 2·50 | 70·50 | ·58 | 42·58 | 7·45 | 16·39 | 1·91 | 34·31 | 2·66 | 11·45 | 15·00 | 161·76 |
| 22nd | ... | ..... | ..... | 1·08 | 168·24 | 1·65 | 141·65 | 1·25 | 103·10 | 2·75 | 70·75 | 1·00 | 43·00 | 8·20 | 17·14 | 1·95 | 34·35 | 2·79 | 11·49 | 15·20 | 162·06 |
| 23rd | ... | ..... | ..... | 1·08 | 168·24 | 2·00 | 142·00 | 1·58 | 103·43 | 3·38 | 71·38 | 2·00 | 44·00 | 8·87 | 17·81 | 2·14 | 34·54 | 2·79 | 11·49 | 15·20 | 162·06 |
| 24th | ... | ..... | ..... | '91 | 168·41 | 2·70 | 142·70 | 1·83 | 103·68 | 3·96 | 71·96 | 3·00 | 45·00 | 10·00 | 18·94 | 2·70 | 35·10 | 2·79 | 11·58 | 21·70 | 170·46 |
| 25th | ... | ..... | ..... | ·83 | 168·49 | 2·70 | 142·70 | 2·25 | 104·19 | 3·96 | 71·96 | 3·50 | 45·50 | 11·00 | 19·94 | 3·41 | 35·81 | 3·08 | 11·83 | 22·00 | 170·76 |
| 26th | ... | ..... | ..... | ·83 | 168·49 | 2·60 | 142·60 | 3·33 | 105·08 | 3·83 | 71·83 | 3·91 | 45·91 | 12·08 | 21·02 | 3·87 | 36·27 | 3·25 | 12·04 | 22·70 | 171·46 |
| 27th | ... | ..... | ..... | ·83 | 168·49 | 2·40 | 142·40 | 3·91 | 105·76 | 4·25 | 72·25 | 4·66 | 46·66 | 12·91 | 21·85 | 4·16 | 36·56 | 3·66 | 12·45 | 21·90 | 170·66 |
| 28th | ... | ..... | ..... | ·83 | 168·49 | 2·90 | 142·90 | 3·70 | 105·35 | 4·58 | 72·58 | 4·25 | 46·25 | 13·50 | 22·44 | 4·41 | 36·81 | 3·87 | 11·66 | 21·10 | 169·86 |
| 29th | ... | ..... | ..... | ·83 | 168·49 | 2·80 | 142·80 | 3·50 | 105·55 | 4·66 | 72·66 | 4·50 | 46·50 | 13·62 | 22·56 | 4·45 | 36·85 | 4·04 | 12·83 | 19·70 | 168·46 |
| 30th | ... | ..... | ..... | ·75 | 168·57 | 2·70 | 142·70 | 3·08 | 104·95 | 4·41 | 72·41 | 4·83 | 46·83 | 13·83 | 22·77 | 4·75 | 37·15 | 4·16 | 12·95 | 18·70 | 167·46 |
| 31st | ... | ..... | ..... | ·75 | 168·57 | 2·80 | 142·80 | 2·09 | 104·51 | 4·08 | 72·08 | 4·75 | 46·75 | 13·41 | 22·35 | 4·87 | 37·27 | 4·27 | 13·06 | 17·80 | 166·96 |

G. A. D. ANLEY, C.E.,
*Asst. Secy. to the Govt. of Bengal, P. W. Department.*

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 2nd June 1877, on 1,279¾ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total Traffic Receipts. | Train Miles Run. | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | Rs. A. P. | | | |
| Total traffic for the week ... | 121,196½ | 1,37,709 6 10 | 12,623 7 3 | 13,98,418 30 | 6,57,289 14 0 | 37,501 11 6 | 7,64,999 4 10 | 44,563½ | 127,721 | 172,285½ |
| Or per mile of railway ... | ..... | 107 9 8 | 9 17 3 | ..... | 490 2 8 | 44 18 8 | 597 12 4 | ..... | ..... | ..... |
| For previous 21 weeks of half-year ... | 2,901,472 | 42,86,101 0 6 | 392,892 11 11 | 2,80,94,088 0 | 1,17,47,890 5 5 | 1,076,690 0 6 | 1,60,33,997 5 11 | 983,724½ | 2,195,745½ | 3,181,470 |
| Total for 22 weeks ... | 3,022,668½ | 44,23,810 7 4 | 405,515 19 2 | 2,94,92,506 30 | 1,23,75,181 1 5 | 1,134,391 12 0 | 1,67,98,991 8 9 | 1,028,288 | 2,323,466½ | 3,353,754½ |
| COMPARISON. | | | | | | | | | | |
| Total for corresponding week of previous year ... | 128,509½ | 1,45,157 13 7 | 13,122 16 0 | 11,26,161 0 | 4,98,383 9 1 | 45,685 6 11 | 6,43,543 6 8 | 40,313 | 101,342 | 144,655 |
| Per mile of railway, corresponding week of previous year ... | ..... | 111 13 10 | 10 5 1 | ..... | 389 7 0 | 35 14 0 | 501 4 10 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 2,833,861½ | 43,81,193 5 0 | 401,869 7 6 | 2,59,12,126 20 | 97,72,229 5 9 | 895,787 13 10 | 1,41,53,412 8 9 | 1,007,142 | 1,794,294 | 2,801,436 |

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 2nd June 1877, on 223¾ miles open.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,431 | 8,611 0 0 | 789 6 10 | 1,93,059 10 | 45,672 3 0 | 4,168 5 8 | 54,083 3 0 | 4,651 | 10,295 | 14,946 |
| Or per mile of railway ... | ..... | 38 7 9 | 3 10 7 | ..... | 203 3 8 | 18 12 7 | 241 11 5 | ..... | ..... | ..... |
| For previous 21 weeks of half-year ... | 153,375½ | 5,40,525 10 9 | 50,373 3 9 | 51,20,506 10 | 12,62,769 1 3 | 118,732 16 8 | 18,12,294 12 0 | 165,224½ | 327,310 | 492,542½ |
| Total for 22 weeks ... | 157,806½ | 5,38,136 10 9 | 51,162 10 7 | 53,13,425 20 | 13,08,241 4 3 | 118,922 2 4 | 18,66,377 15 0 | 169,883½ | 337,605 | 447,488½ |
| COMPARISON. | | | | | | | | | | |
| Total for corresponding week of previous year ... | 5,190½ | 12,287 2 3 | 1,126 6 5 | 1,08,815 10 | 23,156 6 0 | 2,394 3 4 | 37,423 8 3 | 4,283 | 6,331 | 10,614 |
| Per mile of railway, corresponding week of previous year ... | ..... | 54 14 8 | 5 0 8 | ..... | 112 5 5 | 10 6 0 | 167 4 1 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 156,822½ | 4,20,130 11 0 | 38,511 19 7 | 23,34,420 10 | 5,44,318 10 6 | 49,895 17 0 | 9,61,449 5 6 | 104,070 | 129,846 | 233,916 |

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for week ended 2nd June 1877, on 27¼ miles open*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... | 1,822 | 908 0 0 | 90 16 0 | 12,099 0 | 780 0 0 | 78 0 0 | 168 16 0 |
| Or per mile of railway ... ... | 67 | 33 0 0 | 3 6 0 | 444 0 | 28 8 0 | 2 17 0 | 6 3 0 |
| For previous 21 weeks of half-year... | 46,609 | 22,140 0 0 | 2,214 0 0 | 1,60,592 0 | 11,863 0 0 | 1,180 6 0 | 3,394 6 0 |
| Total for 22 weeks ... | 48,431 | 23,048 0 0 | 2,304 16 0 | 1,72,691 0 | 12,583 0 0 | 1,258 6 0 | 3,563 2 0 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 2,665½ | 1,361 10 9 | 130 3 4 | 3,369 16 | 380 5 3 | 38 0 8 | 168 4 0 |
| Per mile of railway, corresponding week of previous year ... ... | 98 | 47 12 3 | 4 15 6 | 123 26 | 13 15 4 | 1 7 11 | 6 3 5 |
| Total to corresponding date of previous year ... ... ... ... | 45,706½ | 22,451 11 6 | 2,245 3 4 | 1,64,313 0 | 13,334 0 9 | 1,333 8 11 | 3,576 12 3 |

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended 2nd June 1877, on 158½ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... | 33,793½ | 22,709 13 3 | 2,081 14 11 | 2,40,627 17 | 53,212 5 0 | 5,061 3 7 | 7,142 17 6 |
| Or per mile of railway ... ... | 214 | 145 8 1 | 13 3 1 | 1,520 23 | 348 14 4 | 31 19 8 | 45 2 9 |
| For previous 21 weeks of half-year | 786,665 | 5,33,524 7 3 | 48,906 8 4 | 40,15,214 20 | 8,37,467 7 11 | 76,767 16 11 | 125,674 5 3 |
| Total for 22 weeks ... | 820,396½ | 5,56,234 6 6 | 50,988 3 3 | 42,55,841 37 | 8,92,679 12 11 | 81,828 19 6 | 1,32,817 2 9 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 41,657 | 28,548 7 3 | 2,616 18 11 | 1,56,079 29 | 32,341 13 11 | 2,964 16 0 | 5,572 8 11 |
| Per mile of railway, corresponding week of previous year ... ... | 265 | 180 6 5 | 16 10 9 | 986 11 | 205 11 10 | 18 13 6 | 35 4 2 |
| Total to corresponding date of previous year ... ... ... | 827,319½ | 5,56,706 15 11 | 51,033 9 4 | 34,60,867 7 | 6,51,694 10 9 | 59,730 8 8 | 1,10,767 18 |

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 2nd June 1877, on 28 miles open.*

| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
|---|---|---|---|---|---|---|---|
| Total traffic for the week ... ... | 8,641 | 1,272 0 0 | 127 4 0 | 17,088 0 | 649 0 0 | 64 18 0 | 192 2 0 |
| Or per mile of railway ... ... | 309 | 45 8 0 | 4 11 0 | 610 0 | 23 0 0 | 2 6 0 | 6 17 0 |
| For previous 21 weeks of half-year | 205,889 | 30,210 0 0 | 3,021 0 0 | 3,96,086 0 | 13,397 0 0 | 1,339 14 0 | 4,360 14 0 |
| Total for 22 weeks ... ... | 214,530 | 31,482 0 0 | 3,148 4 0 | 4,13,174 0 | 14,046 0 0 | 1,404 12 0 | 4,552 16 0 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 8,782 | 1,238 1 0 | 123 16 2 | 13,554 20 | 484 14 3 | 48 9 9 | 172 5 11 |
| Per mile of railway, corresponding week of previous year ... ... | 314 | 44 3 5 | 4 8 5 | 476 38 | 17 5 1 | 1 14 8 | 6 3 1 |
| Total to corresponding date of previous year ... ... ... | 215,278 | 29,339 15 3 | 2,932 19 11 | 3,83,483 10 | 12,818 1 0 | 1,281 16 1 | 4,254 16 0 |

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 9th June 1877, on 28 miles open.*

| | | Rs. A. P. | £. s. d. | Mds. Srs. | Rs. A. P. | £. s. d. | £. s. d. |
|---|---|---|---|---|---|---|---|
| Total traffic for the week ... ... | 8,968 | 1,320 0 0 | 132 0 0 | 17,290 0 | 559 0 0 | 55 18 0 | 187 18 0 |
| Or per mile of railway ... ... | 320 | 47 0 0 | 4 14 0 | 618 0 | 20 0 0 | 2 0 0 | 6 14 0 |
| For previous 22 weeks of half-year | 214,550 | 31,482 0 0 | 3,148 4 0 | 4,13,174 0 | 14,046 0 0 | 1,404 12 0 | 4,552 16 0 |
| Total for 23 weeks ... ... | 223,488 | 32,802 0 0 | 3,280 4 0 | 4,30,473 0 | 14,605 0 0 | 1,460 10 0 | 4,740 14 0 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 8,576½ | 1,181 7 3 | 118 2 11 | 15,393 0 | 542 4 0 | 54 4 6 | 172 7 5 |
| Per mile of railway, corresponding week of previous year ... ... | 299 | 42 3 1 | 4 4 5 | 549 30 | 19 5 10 | 1 18 8 | 6 3 1 |
| Total to corresponding date of previous year ... ... ... | 223,648½ | 30,711 6 8 | 3,071 2 10 | 4,00,876 10 | 13,360 5 0 | 1,336 0 7 | 4,407 3 5 |

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# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JUNE 20, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## GRANT OF INCREASED PENSIONS.

No. 1007.

GOVERNMENT OF INDIA.

FINANCIAL DEPARTMENT.

PENSIONS, GRATUITIES, &c.

SIMLA, THE 31ST MAY 1877.

READ the following:—

No. 434, dated 29th December 1876.

From—The Government of India,
To—The Secretary of State for India.

WE have the honor to refer for Your Lordship's consideration an application from the for the grant of an increased pension to Lieutenant and Assistant Commissary A. B.

It will be observed that Lieutenant A. B. has already been granted the invalid pension of his rank, viz. Rs. 175 a month; but in consideration of the very high and honourable character borne by him, and of his long and faithful service of over 47 years, the Government of recommend sanction to the grant to him of the pension of a Deputy Commissary, viz. of Rs. 240 a month. We beg to support this recommendation.

Extract (paragraphs 1 and 2) from a despatch from the Secretary of State to the Government of India, No. 92 (Military), dated 8th March 1877.

PARA. 1. With your Financial letter No. 434, dated 29th December 1876, you forward, and recommend for favourable consideration, an application from the Government of for the grant of increased pension to Lieutenant and Assistant Commissary A. B. of the department at that presidency.

2. On the recommendation of the Government of * *, supported by Your Lordship, I authorize you to grant Lieutenant A. B. the higher pension of a Deputy Commissary in lieu of that of an Assistant Commissary, to which only he is entitled under the regulations. I desire, however, to express my general disinclination to increase the non-effective charges by the grant of any pensions in excess of what the regulations of the service provide, save in cases of very exceptional and distinguished service.

3. Mere length of service, however faithfully performed, is not, I consider, in itself a sufficient ground for exceptional reward, while in this case it would appear that A. B. was permitted by the Government of * * out of consideration for himself personally, to extend his service beyond the date when it could be usefully or satisfactorily rendered.

## LIBERALITY OF SREE MUTTEE BISHESWARI DEBYA CHOWDRANI AND SREE MUTTEE HURO DOORGA DEBYA CHOWDRANI.

No. 521T., dated Darjeeling, the 10th June 1877.

From—S. C. BAYLEY, ESQ., C.S.I., Secy. to the Govt. of Bengal, Political Dept.,
To—The Officiating Commissioner of the Dacca Division.

I AM directed to acknowledge the receipt of your letter No. 85, dated the 1st instant, reporting that Sreemuttee Bisheswari Debya Chowdrani, zemindar of Gouripore, and Sreemuttee Huro Doorga Debya Chowdrani, zemindar of Ambaria, have respectively given Rs. 5,000 and Rs. 1,000 to the Nusseerabad dispensary in Mymensingh, in order to raise the status of the institution and thus secure the services of an assistant surgeon to the town of Mymensingh.

2. I am to request that you will be good enough to convey to those ladies an expression of the Lieutenant-Governor's appreciation of their liberality. The charitable dispensaries of the country confer such undoubted benefit directly and indirectly upon all classes, that the Lieutenant-Governor is specially glad to recognise such instances as this of well directed liberality in support of them.

3. The papers in the present case will be published in the *Calcutta Gazette*.

4. You will now be good enough to submit a formal proposal, with all necessary particulars, for reclassifying the Nusseerabad dispensary.

No. 85, dated Dacca, the 1st June 1877.

From—F. B. PEACOCK, ESQ., Officiating Commissioner of the Dacca Division,
To—The Secretary to the Government of Bengal, Political Department.

WITH reference to your letter No. 692T, dated 7th June 1876, I have the honor to bring to the notice of His Honor the Lieutenant-Governor that Sreemuttee Bisheswari Debya Chowdrani, zemindar of Gouripore, has given the very handsome donation of Rs. 5,000 to the charitable dispensary at Nusseerabad, in order that it may be re-classified in class III, grade 1, and thus secure the services of an assistant surgeon for the town of Mymensingh, and that Sreemuttee Huro Doorga Debya Chowdrani, zemindar of Ambaria, has also given Rs. 1,000 with the same object. I trust that I may be permitted to communicate to them the Lieutenant-Governor's appreciation of their liberality.

## PROTECTIVE WORKS CONSTRUCTED BY BABU PROSAUD DOSS DUTT, IN DHOBELAT, ON SAUGOR ISLAND.

No. 1662, dated the 14th June 1877.

From—H. H. RISLEY, ESQ., Offg. Asst. Secretary to the Government of Bengal,
To—The Offg. Secretary to the Board of Revenue, Land Revenue Department.

I AM directed to acknowledge the receipt of your letter No. 416A., dated 11th May 1877, with enclosures, regarding the inspection by the Deputy Collector in the Soonderbuns of the protective works on Dhobelat and other grants on Saugor Island, and to request that an expression of the Lieutenant-Governor's satisfaction may be communicated to Baboo Prosad Doss Dutt who, in constructing the works in Dhobelat, has not only carried out his engagements to the full, but has done more than his agreement bound him to do.

* * * * * * * * *

No. 416A., dated Fort William, the 11th May 1877.

From—A. MACKENZIE., ESQ., Offg. Secretary to the Board of Revenue, L.P.,
To—The Secretary to the Government of Bengal, Revenue Department.

Soondarbun Commissioner's report No. 437, dated 20th February 1877.
Board's letter No. 137A., dated 14th March 1877, to Baboo Prosaud Dass Dutt.

WITH reference to your demi-official letter dated 9th instant, I am directed to submit, for the information of Government, copies of the papers noted on the margin, regarding the inspection by the Deputy Collector in the Soonderbuns of the protective works on Dhobelat and other grants in Saugor Island.

---

No. 437, dated Alipore, the 20th February 1877.

From—A. D'B. GOMESS, ESQ., Soonderbun Commissioner,
To—The Secretary to the Board of Revenue, Lower Provinces.

* * * * * *

I note with much pleasure the pains taken by Baboo Prosaud Dass Dutt in constructing the protective works in Dhobelat. It would appear that he has gone beyond the letter of his obligation, and has made a better construction than was required of him. Baboo Prosaud Dass Dutt is one of the best Soonderbun grantees I have known, and was one of the first who gave efficient help to his ryots in the cyclones that swept over Saugor Island in 1864 and 1867.

---

No. 137A., dated Fort William, the 14th March 1877.

From—A. MACKENZIE, ESQ., Offg. Secretary to the Board of Revenue, L.P.,
To—BABOO PROSAUD DASS DUTT, Grantee of "Dhobelat," on Saugor Island.

IN reply to your letter of the 5th instant, I am directed to forward herewith a copy of a report, No. 437, dated 20th ultimo, from the Commissioner of Soonderbuns, on the inspection by the Deputy Collector of the protective works in the four estates in Saugor Island named on the margin. The report has been recorded, but the facts noticed therein have given much satisfaction to the Board.

Mud Point.
Trower Land.
Ferintosh.
Dhobelat.

---

Dated the 29th November 1876.

From—J. ELLISON, ESQ., Surveyor in the Soonderbuns,
To—The Commissioner of the Soonderbuns.

I HAVE the honor to submit a rough ground and elevation plan of the protective works in the Saugor Island estate of Dhobelat.

2. The work is complete and well done: the grantee had the safety of his ryots at heart, for he has not confined himself to the dimensions allowed by the deed, but he has, with the exception of the tank, exceeded them. He has, moreover, set the example, and built a cutchery on the level sward within embankments, which will shelter his ryots should they ever have occasion to resort to the protective works. The sward is kept free from water by means of a pucca drain, and is perfectly dry. He has made ample allowance for the sinking of the embankments. Their present height is 19 feet 6 inches, and they have been properly rammed and turfed.

3. The northern embankment has been terraced on the inner slope, and although it has been recommended in the deed, I do not think it an advantage; it weakens the embankment considerably, and for this reason the grantee has terraced the northern side, which is the side least exposed to the fury of the storm-wave.

*P.S.*—I beg to add that none of the ryots' huts appeared to me to be situated beyond a mile from the protective works. The copy of the grant deed of chuck Dhobelat is herewith returned.

## RULES REGARDING BURIALS.

No. 159.

Extract from the Proceedings of the Government of India, in the Home Department (Ecclesiastical),—under date Simla, the 6th June 1877.

READ again—

Home Department Resolution No. 275—287, dated the 8th September 1875, laying down certain rules for the guidance of Chaplains of the Church of England in regard to the burial of suicides, &c.

Read also—

Office memorandum from the Military Department, No. 810, dated the 19th November 1875, forwarding for an expression of opinion a draft General Order which His Excellency the Commander-in-Chief proposes to issue on the subject in accordance with the above Rules.

### RESOLUTION.

On a reconsideration of the subject, the Government of India think it necessary to modify the rules contained in the Resolution of 8th September 1875, so far as regards the burial of deceased Roman Catholics. The Government of India have now decided—

*1st*, that at stations where there is a Roman Catholic Priest drawing an allowance from Government, he shall be held bound to read the burial service over the body of every deceased Roman Catholic brought for burial, unless he be excused from doing so by the rubrics and canons of the Roman Catholic Church: and that when the Roman Catholic Priest refuses to read the burial service over the body of a deceased Roman Catholic soldier, the military authorities shall make proper arrangements for the decent interment of the corpse;

*2ndly*, that where there is no Roman Catholic Priest paid by the State, the Protestant Chaplain shall, if requested by the friends of the deceased, or by the Officer Commanding, be bound to bury the deceased according to the rites and ritual of the Church of England, except in either of the three cases in which Protestant Chaplains in India are excused from burying a deceased Protestant, viz. dying unbaptized even by lay baptism; excommunicated by the major excommunication; or declared to be *felo de se*; and that when a Protestant Chaplain refuses to officiate at the burial of a deceased Roman Catholic soldier on either of the three above-mentioned grounds, the military authorities shall, as in the case of refusal by a Roman Catholic Priest, make proper arrangements for the decent interment of the corpse;

*3rdly*, that whenever, with or without furnishing any explanation of his reasons, a Roman Catholic Priest paid by the State or a Protestant Chaplain refuses to perform the funeral rites of his Church over the body of a deceased Roman Catholic soldier, the circumstances of the case should be fully reported by the military authorities for the consideration and orders of the Government of India.

2. The Governor-General in Council is accordingly pleased to direct the modification in the above sense of the provisions of paragraphs 15 to 19 inclusive of the Resolution, 8th September 1875.

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 16th June 1877.*

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| BENGAL. | | | |
| | *Western Districts.* | | |
| BURDWAN DIVS. 1 | Burdwan, June 18* '77 | ·17 | The rainfall at Culna has been 1·15, at Cutwa ·80, at Jehanabad ·60, and at Raneegunge 1·58. Jute, sugarcane, indigo, cotton, and *aous* paddy, are doing well. A plague among the cattle is prevalent in Culna. |
| 2 | Bankoora, „ 16 „ | ·05 | Weather—General showers in the beginning of the week; now dry and hot. The cultivation of the rice crop is progressing. Indigo is doing well. |
| 3 | Beerbhoom, „ 16 „ | ·01 | Weather—Hot and dry. It appears as if the rains have passed off. Sowing is in a forward state. |
| 4 | Midnapore, „ 16 „ | ·71 | Weather—Very hot, with one or two heavy showers. Owing to the early rain the rice plants are very forward, and it is important that they should have heavy rain at an early date. |
| 5 | Hooghly, „ 16 „ | ·96 | Weather—Sultry. Rains at intervals. Late rice is being sown in some places, and is germinating in others. Early rice and brinjals are being transplanted. The weeding of early rice and jute has commenced. Public health is normal. Cattle disease still prevails in one village in the Bullagur Station. |
| | Howrah, „ 16 „ | ·17 | Weather—Hot and cloudy. Agricultural operations are now in full force. |
| | *Central Districts.* | | |
| PRESIDENCY DIVS. 6 | 24-Pergunnahs, June 18 † '77 | ·16 | Weather—Hot. *Aous*, or early rice, and jute are reported to be doing well. Public health is generally good. |
| 7 | Nuddea, „ 16 „ | ·84 | Weather—Dry in the latter part of the week. Rice, both early and late, is forward and very promising. Sugarcane is equally good. Indigo is reported to be good in Bongong, but in Chooadanga the October sowings are poor. |
| 8 | Jessore, „ 16 „ | ·38 | Weather—Hot. Insects are said to have done some injury to both rice and indigo in Magoorah. Otherwise all prospects are favourable. |
| 9 | Moorshedabad, „ 16 „ | Nil | Weather—Very close and hot. No change to report this week. General prospects are good; but another fall of rain would be beneficial to the growing crops. |
| RAJSHAHYE AND COOCH BEHAR DIVS. 10 | Dinagepore, „ 15 „ | 2·88 | Weather—Very hot between the showers of rain. East winds prevailing. State and prospects of the crops are very good. Cholera still continues in the jail and in the mofussil. |
| 11 | Rajshahye, „ 16 „ | ·36 | Slight rain fell at the Sudder Station on the 10th and 11th instant. The fall has been heavier in the Nattore sub-division. The latter part of the week was very hot. Rice and jute are looking well. Sessamum and spring rice are still being cut, and are said to be a little short of an average crop. |
| 12 | Rungpore, „ 15 „ | 3·12 | Weather—Variable; occasionally very warm. The rainfall at Kurigram has been 4·26 inches, and at Gaibanda 3·34 inches. The state and prospects of the crops are good. Fever and cholera are stated to be prevalent in the Gaibanda sub-division; otherwise the public health on the whole is satisfactory. |
| 13 | Bogra ... ... ... | ..... | Return not received. |
| 14 | Pubna, June 16 '77 | 3·15 | Weather—Days cloudy. The first part of the week was rainy. State and prospects of the crops are favourable. |
| 15 | Darjeeling, „ 15 „ | 3·72 | Weather—Very pleasant and favourable to the crops; not too much rain. *Bhadio* rice is getting on well, and *haimanti* rice is being transplanted. Indian corn in the hills is in ear, and promises a good outturn. |
| 16 | Julpigoree, „ 16 „ | 3·99 | Occasional rain has fallen, and the weather is hotter and more oppressive. The monsoon has not yet commenced. *Bhadoi* rice is flourishing in all parts on the district except Patgram and Falacotta, where it is a little backward owing to excessive rain. The general prospects of the crops are good. |
| | Cooch Behar, „ 14 „ | 4·94 | Alternate rain and sunshine. Weather cooler than it was a fortnight ago, but still very hot in the sun. 3·69 inches of rain registered at Dinhatta, 3·67 inches at Mekligunge, and 1·72 inches at Mathabhanga. Prospects continue generally favourable. Sowings of *aman dhan* are progressing and fields are being prepared. Public health is good. No epidemic anywhere. |

* Telegram of the 18th June shows rainfall during the seven days immediately preceding.

† Report of the 18th June shows rainfall during the seven days immediately preceding.

| No. | District, and date of return. | | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|---|
| BENGAL.—(*Continued.*) | | | | |
| | *Eastern Districts.* | | | |
| DACCA DIVS. 17 | Dacca, | June 18*'77 | 3·96 | Weather—Sunny for the last four days. The rainfall at Moonshigunge from the 7th to the 14th instant was 16·14 inches. The prospects of both rice and jute are very good. Health is good. |
| 18 | Furreedpore, | „ 16 „ | 3·57 | There was heavy rain in the early part of the week. The last few days have been fair and rather cool for the season. 4·48 inches of rain registered at Goalundo, and 3·90 inches at Madaripore. The prospects of the crops are generally good. More dry weather is required. |
| 19 | Backergunge, | „ 14 „ | 3·34 | Weather—Seasonable. State and prospects of the crops are good. |
| 20 | Mymensingh, | „ 15 „ | 5·64 | Weather—Rainy. State and prospects of the crops are good. |
| 21 | Tipperah, | „ 15 „ | 5·28 | Weather—Seasonable. The rains have set in. 7·30 inches registered at Brahmunbariah. The prospects of all crops are good. |
| CHITTAGONG DIVS. 22 | Chittagong, | „ 14 „ | 6·23 | Weather—Seasonable. The prospects of *aous* rice are favourable. Ploughing for the late rice has commenced throughout the district. |
| 23 | Noakholly, | „ 14 „ | 3·69 | Weather—Seasonable. The late rice sowings are still going on. Prospects continue favourable. Fever is still prevalent in the district. Cholera has somewhat abated at Dalal Bazar. |
| 24 | Chittagong Hill Tracts, | „ 12 „ | 4·13 | Weather—Seasonable. There were heavy falls of rain during the week. The prospects of the crops in the *jooms* are good. In some places Indian corn has become fit for eating, and this will meet the requirements of the people to some extent. The price of rice is very high in the local markets. |
| | Hill Tipperah, | „ 13 „ | 4·26 | Weather—Close and damp. Occasional storms. The sowings of *aous*, or early rice, continue, and the prospects are good. Cholera has disappeared from Agartolla. |
| BEHAR. | | | | |
| PATNA DIVS. 25 | Patna, | June 18*'77 | ·06 | Weather—Extremely hot, with easterly winds. Prospects of the crops continue to be favourable. Health is generally good. |
| 26 | Gya, | „ 16 „ | ·21 | Weather—Clear for the most part of the week and very hot. The maximum reading of the thermometer in the shade was 108·6°. No change to report. Ploughing is going on. Public health continues fairly good. |
| 27 | Shahabad, | „ 16 „ | ·35 | Weather—Very hot. Sugarcane and *cheena* promise well. Cholera is reported to be on the increase in Sasseram; otherwise health is good. |
| 28 | Durbhunga, | „ 16 „ | 1·58 | On the 11th instant there was an exceptionally severe north-wester, and over an inch and a half of rain fell. Since then the weather has been oppressively hot, with no signs of the monsoon. Rain is much wanted, but the crops have not suffered hitherto. The public health has been less satisfactory than in previous weeks, several cases of cholera having occurred. |
| 29 | Mozufferpore, | „ 16 „ | Nil | Weather—Warm. In the Hajeepore sub-division the rainfall during the week was ·76 of an inch, and in the Seetamurhee sub-division ·77 of an inch. All the crops on the *chowars* and low *diarahs* are in a favourable state. More rain is wanted. General health is good. |
| 30 | Sarun, | „ 16 „ | Nil | Weather—Very close, with east wind prevailing. There were heavy falls of rain in the Sewan sub-division (3·75 inches) on the 9th and 13th instant, and in Gopalgunge on the 11th, which have done much good especially to indigo. The sowings of *mursea*, *rahar*, and paddy have commenced in Sewan; in other places the crops are coming on well, and the prospects are favourable. |
| 31 | Chumparun, | „ 16 „ | ·19 | East winds prevailed throughout the week, and there was great heat. The prospects of the crops continue good, but rain is wanted within the next week or so. |
| BHAGULPORE DIVS. 32 | Monghyr, | „ 16 „ | ·34 | Weather—Very hot. ·55 of rain registered at Jamui and ·53 at Beguserai. The early crops are all sown, and the prospects are good. |
| 33 | Bhagulpore, | „ 18* „ | Nil | Weather—Warm. Rain is hoped for. Prospects of the crops are good. Health is fair. |
| 34 | Purneah, | „ 16 „ | ·53 | Weather—Very hot. 2·55 inches of rain registered at Kissengunge. It is said that the Koosi floods have already risen and done some slight damage. |
| 35 | Maldah, | „ 16 „ | 2·54 | Weather—Generally cloudy and very close. There was a smart thunder-storm with heavy rain on the 15th instant. State and prospects of the crops continue to be good. The manufacture of indigo has begun. Only two deaths from cholera reported during the week. |
| 36 | Sonthal Pergha. | „ 16 „ | ·61 | Weather—Occasional squalls and rain. 2·64 inches registered at Deoghur and 1·31 inches at Godda. Ploughing and sowing are going on everywhere. |

* Telegrams of the 18th June show rainfall during the seven days immediately preceding.

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| ORISSA. | | | |
| ORISSA DITTO. 37 | Cuttack, June 16 '77 | 10 | Weather—Hot. Cloudy, with slight wind. Storms now and then and slight rain. Monsoon has not yet broken. *Beali* and *sarud* sowings are nearly finished, and the plants are coming on well. Cotton is being plucked. The rate of rice has risen, but it is procurable. Public health is good. |
| 38 | Pooree, „ 14 „ | 1·28 | Weather—Seasonable. 1·62 inches of rain registered at Khoordah. *Sarud* rice is being sown broadcast in almost all parts of the district. *Beali* rice in many places has germinated. The prospects of miscellaneous crops are fair. Public health is good. |
| 39 | Balasore, „ 15 „ | ·12 | Weather—Seasonable. The rice sowings continue, and some of the rice already sown is well above the ground. Public health is good. |
| CHOTA NAGPORE. | | | |
| | *South-West Frontier Agency.* | | |
| 40 | Hazareebagh, June 15 '77 | ·24 | Weather—Intensely hot. All signs of the expected monsoon have passed away. The sowings of highland rice, *murwa*, *goondli*, and other like crops, have now been completed, and the young crops are already beginning to sprout freely. General health is good. |
| 41 | Lohardugga, „ 16 „ | ·43 | At present there is a break in the rains. The rainfall at Palamow up to 12th instant has been ·80 of an inch. Prospects of the crops are excellent. Public health is good. |
| 42 | Singbhoom, „ 15 „ | ·15 | Weather—Seasonable. The sowing operation is progressing actively, and the weather has been most favourable for it. The district is healthy. |
| 43 | Manbhoom, „ 16 „ | ·25 | Weather—Hot and oppressive. State and prospects of the crops are satisfactory, but the young seedlings for the low lands and the highland rice require rain, and unless it fall soon, damage may be looked for. |

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
*The 19th June 1877.*

H. J. S. COTTON,
*Jr. Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT of Food-grains and Salt in the undermentioned*

QUANTITIES PER RUPEE BY

| Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Rice, best sort. Present return. | Rice, best sort. Next preceding return. | Rice, best sort. Corresponding return of last year. | Rice, common. Present return. | Rice, common. Next preceding return. | Rice, common. Corresponding return of last year. | Bulrush Millet—Cumboo, Bajra. Present return. | Bulrush Millet—Cumboo, Bajra. Next preceding return. | Bulrush Millet—Cumboo, Bajra. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| | **BENGAL.** | | | | | | | | | | | | | | | |
| | *Western Districts.* | | | | | | | | | | | | | | | |
| 1 | Burdwan ... ... ... ... | A 14 8 | 17 8 | 18 8 | 37 0 | 38 8 | 21 0 | 15 12 | 23 8 | 22 0 | 18 6 | 25 0 | 23 0 | ... | ... | ... |
| 2 | Bankoora ... ... ... ... | B 16 0 | 16 4 | 21 4 | 32 0 | 32 0 | 26 0 | 20 0 | 20 0 | 18 12 | 24 0 | 25 4 | 23 0 | ... | ... | ... |
| 3 | Beerbhoom ... ... ... ... | C 20 0 | 20 0 | 20 0 | ... | ... | ... | 18 0 | 18 0 | 21 0 | 22 0 | 22 0 | 24 0 | ... | ... | ... |
| 4 | Midnapore ... ... ... ... | 14 0 | 16 0 | 20 0 | ... | ... | ... | 17 0 | 17 0 | 22 0 | 19 0 | 21 0 | 26 0 | ... | ... | ... |
| 5 | Hooghly.* | | | | | | | | | | | | | | | |
| | Howrah ... ... ... ... | 13 4 | 14 8 | 19 0 | ... | ... | ... | 12 8 | 11 0 | 15 0 | 14 0 | 15 0 | 20 8 | ... | ... | ... |
| | *Central Districts.* | | | | | | | | | | | | | | | |
| | Calcutta ... ... ... ... | 13 0 | 13 0 | 17 0 | 20 0 | 25 0 | 28 0 | 9 0 | 9 0 | 10 0 | 14 0 | 14 0 | 16 0 | ... | ... | ... |
| 6 | 24-Pergunnahs.* | | | | | | | | | | | | | | | |
| 7 | Nuddea ... ... ... ... | 14 1 | 14 1 | 20 0 | 40 0 | 40 0 | 35 8 | 13 5½ | 14 8 | 18 5 | 14 8 | 15 4 | 20 0 | ... | ... | ... |
| 8 | Jessore ... ... ... ... | D 13 0 | 14 0 | 23 0 | ... | ... | ... | 13 0 | 13 8 | 16 0 | 18 0 | 18 0 | 23 0 | ... | ... | ... |
| 9 | Moorshedabad ... ... ... | F 17 0 | 17 8 | 24 0 | 40 0 | 35 0 | ... | 14 0 | 16 0 | 18 0 | 16 0 to 17 0 | 18 0 | 21 0 | ... | ... | ... |
| 10 | Dinagepore ... ... ... ... | F 16 12 | 17 0 | 16 0 | 38 6 | 18 12 | 22 8 | 20 6 | 21 8 | 19 0 | 25 3 | 28 0 | 22 0 | ... | ... | ... |
| 11 | Rajshahye ... ... ... ... | 15 0 to 18 0 | 15 0 to 16 0 | 24 0 | 37 8 | ... | 26 4 | 15 0 to 16 0 | 16 8 | 18 12 to 19 0 | 17 4 to 18 12 | 16 0 to 18 12 | 21 0 to 22 8 | ... | ... | ... |
| 12 | Rungpore ... ... ... ... | G 13 5 | 19 0 | 20 0 | ... | ... | ... | 13 5 | 13 0 | 12 12½ | 16 12 | 20 0 | 16 5 | ... | ... | ... |
| 13 | Bogra.* | | | | | | | | | | | | | | | |
| 14 | Pubna ... ... ... ... | 18 0 | 17 0 | 22 8 | ... | ... | ... | 12 0 | 12 0 | 12 0 | 20 0 | 22 8 | 22 8 | ... | ... | ... |
| 15 | Darjeeling ... ... ... ... | H 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 8 | 5 0 | 12 0 | 12 0 | 11 0 | ... | ... | ... |
| 16 | Julpigoree ... ... ... ... | I 11 6 | 13 0 | 13 5 | 32 0 | ... | ... | 13 3 | 13 0 | 11 0 | 17 8 | 18 0 | 17 0 | ... | ... | ... |
| | *Eastern Districts.* | | | | | | | | | | | | | | | |
| 17 | Dacca ... ... ... ... | J 13 5 | 12 4 | 16 0 | 40 0 | 40 0 | 40 0 | 16 0 | 16 0 | 16 0 | 18 0 | 20 8 | 20 0 | ... | ... | ... |
| 18 | Furreedpore ... ... ... ... | K 21 0 | 21 0 | 20 0 | 35 0 | 35 0 | 40 0 | 7 0 | 7 0 | 10 0 | 16 0 | 19 0 | 20 0 | ... | ... | ... |
| 19 | Backergunge ... ... ... | L ... | ... | ... | ... | ... | ... | 12 0 | 14 0 | 18 0 | 15 0 | 17 0 | 22 0 | ... | ... | ... |
| 20 | Mymensingh ... ... ... | M 11 8 | 13 0 | 18 0 | ... | ... | ... | 18 0 | 21 0 | 18 0 | 21 0 | 25 0 | 21 0 | ... | ... | ... |

* Returns not received.

A In the interior the prices range as follow :—Wheat 13 to 20 seers, barley 34 to 35 seers, common rice 13-4 to 19 seers, best rice 15 to 20 seers, and gram 18 to 22-8 seers.

B In the interior the prices range as follow :—Wheat 16 to 19 seers, barley 20 to 45 seers, best rice 18-12 to 24 seers, common rice 22 to 27 seers, maize or Indian corn 26 to 35 seers, and gram 16 to 20 seers.

C In the interior the prices range as follow :—Wheat 17-8 to 22 seers, best rice 18 to 22-8 seers, common rice 19 to 26 seers, and gram 22 to 31 seers.

D In the interior the prices range as follow :—Wheat 8 to 14 seers, best rice 13 to 15 seers, common rice 17 to 20 seers, and gram 13-4 to 20 seers

E In the interior the prices range as follow :—Wheat 15 to 21 seers, barley 35 to 40 seers, best rice 15 to 21 seers, common rice 16 to 28 seers, and gram 22 to 35 seers.

F In Roygunge the prices are as follow :—Wheat 18 seers, best rice 22-8 seers, common rice 25 seers, and gram 25 seers.

*Districts of Bengal for the Fortnight ending 15th June 1877.*

THE SEER OF 80 TOLAHS.

| Great Millet—Cholum, Jowar. | | | Lesser Millets—Ragi or Murwa, and Cheena. | | | Maize or Indian-corn. | | | Gram. | | | Firewood. | | | Salt. | | | Districts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | |
| | | | | | | | | | | | | | | | | | | BENGAL. |
| | | | | | | | | | | | | | | | | | | *Western Districts.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 19 0 | 23 0 | 25 0 | 120 0 | 120 0 | 200 0 | 9 0 | 9 8 | 9 0 | Burdwan. |
| ... | ... | ... | ... | ... | ... | 38 0 | 38 0 | 40 0 | 20 0 | 20 0 | 24 0 | 400 0 | 400 0 | 480 0 | 8 8 | 8 8 | 8 12 | Bankoora. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 0 | 24 0 | 24 0 | 200 0 | 200 0 | 200 0 | 8 4 | 8 4 | 8 4 | Beerbhoom. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 0 | 13 0 | 18 0 | 260 0 | 260 0 | 180 0 | 8 12 | 9 0 | 9 8 | Midnapore. |
| | | | | | | | | | | | | | | | | | | Hooghly.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 0 | 16 0 | 25 8 | 120 0 | 120 0 | 120 0 | 10 0 | 10 0 | 9 12 | Howrah. |
| | | | | | | | | | | | | | | | | | | *Central Districts.* |
| 20 0 | 20 0 | 21 0 | ... | ... | ... | 27 0 | 22 0 | 24 0 | 18 8 | 17 0 | 22 0 | 100 0 | 100 0 | 120 0 | 8 0 | 8 0 | 8 0 | Calcutta. |
| | | | | | | | | | | | | | | | | | | 24-Pergunnahs.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 5 | 21 5 | 32 0 | 140 0 | 140 0 | 120 0 | 9 6 | 9 6 | 9 2½ | Nuddea. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 0 | 20 0 | 29 0 | 120 0 | 120 0 | 120 0 | 8 0 | 8 0 | 8 0 | Jessore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 0 | 32 0 | 40 0 | 130 0 | 130 0 | 120 0 | 7 0 to 8 8 | 8 0 to 9 0 | 8 8 | Moorshedabad. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 6 | 19 8 | 22 8 | 200 0 | 180 0 | 180 0 | 8 8 | 8 8 | 8 4 | Dinagepore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 26 4 to 28 0 | 26 10 | 21 0 to 22 0 | 200 0 | 240 0 | 320 0 | 9 0 | 9 0 | 7 15½ | Rajshahye. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 6 | 14 8 | 18 0 | 107 0 | 107 0 | 107 0 | 7 8 | 7 8 | 7 8 | Rungpore. |
| | | | | | | | | | | | | | | | | | | Bogra.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 8 | 22 8 | 26 4 | 200 0 | 200 0 | 200 0 | 9 0 | 9 0 | 9 0 | Pubna. |
| ... | ... | ... | 9 0 | 9 0 | 8 0 | 20 0 | 19 0 | 16 0 | 10 0 | 8 0 | 8 0 | 160 0 | 160 0 | 200 0 | 5 0 | 5 0 | 4 0 | Darjeeling. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 6 | 16 0 | 17 5 | 116 6 | 64 0 | 160 0 | 7 2 | 7 2 | 7 0 | Julpigoree. |
| | | | | | | | | | | | | | | | | | | *Eastern Districts.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 17 10 | 22 10 | 25 0 | 100 0 | 106 0 | 100 0 | 9 0 | 9 0 | 8 11 | Dacca. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 0 | 18 0 | 20 0 | ... | ... | ... | 9 0 | 9 0 | 9 0 | Furreedpore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 0 | 16 0 | 21 0 | 100 0 | 100 0 | 100 0 | 8 8 | 8 8 | 8 8 | Backergunge. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 18 8 | ... | ... | ... | 8 12 | 8 12 | 8 8 | Mymensingh. |

G In the Gaibanda sub-division the prices are as follow:—Wheat 18 seers, best rice 15 seers, common rice 22-8 seers, and gram 22-8 seers.

H In the interior the prices range as follow:—Wheat 6 to 8 seers, best rice 6 to 12 seers, common rice 10 to 20 seers, lesser millets 10 to 13 seers, maize or Indian corn 16 to 40 seers, and gram 11 to 18 seers.

I In the interior the prices range as follow:—Wheat 9 to 32 seers, best rice 11¼ to 13 seers, common rice 11 to 18 seers, and gram 8 to 13-3 seers.

J In the interior the prices range as follow:—Best rice 17 to 18 seers, and common rice 20 to 21 seers.

K In the interior the prices range as follow:—Best rice 12 to 14 seers, and common rice 17 to 19 seers.

L In the interior the prices range as follow:—Wheat 12 to 18 seers, best rice 12 to 24-8 seers, common rice 18 to 27 seers, and gram 12-4 to 17 seers.

M In the interior the prices range as follow:—Best rice 12 to 14-6 seers, common rice 14 to 16 seers, paddy 20 to 30 seers, and gram 11 to 12 seers.

## *PRICES-CURRENT of Food-grains and Salt in the undermentioned*

QUANTITIES PER RUPEE BY

| Number | Districts | Wheat: Present return | Wheat: Next preceding return | Wheat: Corresponding return of last year | Barley: Present return | Barley: Next preceding return | Barley: Corresponding return of last year | Rice, best sort: Present return | Rice, best sort: Next preceding return | Rice, best sort: Corresponding return of last year | Rice, common: Present return | Rice, common: Next preceding return | Rice, common: Corresponding return of last year | Bulrush Millet—Cumboo, Bajra: Present return | Bulrush Millet—Cumboo, Bajra: Next preceding return | Bulrush Millet—Cumboo, Bajra: Corresponding return of last year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Eastern Districts*—(Contd.) | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| 21 | Chittagong.* | | | | | | | | | | | | | | | |
| 22 | Noakholly.* | | | | | | | | | | | | | | | |
| 23 | Tipperah | 10 0 | 12 0 | 15 0 | ... | ... | ... | 12 0 | 12 0 | 12 0 | 16 0 | 17 0 | 17 0 | ... | ... | ... |
| 24 | Chittagong Hill Tracts.* | | | | | | | | | | | | | | | |
| | Hill Tipperah | 10 6 | 10 5 | 9 5 | ... | ... | ... | 16 0 | 16 0 | 14 0 | 22 0 | 24 0 | 16 0 | ... | ... | ... |
| | BEHAR. | | | | | | | | | | | | | | | |
| 25 | Patna | 25 0 | 20 0 | 24 0 | 32 0 | 32 0 | 37 0 | 14 0 | 13 8 | 13 8 | 19 8 | 18 8 | 21 0 | ... | ... | ... |
| 26 | Gya | N 24 8 | 24 8 | 22 8 | 37 0 | 36 4 | 28 0 | 13 0 | 12 0 | 11 0 | 20 0 | 20 8 | 19 8 | ... | ... | ... |
| 27 | Shahabad | O 23 0 | 21 0 | 20 0 | 32 0 | 33 0 | ... | 16 0 | 18 0 | ... | 18 0 | 19 0 | ... | ... | ... | ... |
| 28 | Durbhunga | 19 8 | 19 8 | 20 12 | 30 12 | 30 12 | 33 0 | 13 8 | 13 8 | 15 4 | 15 4 | 15 12 | 17 8 | ... | ... | ... |
| 29 | Mozufferpore | P 20 0 | 20 0 | 20 0 | 30 0 | 30 0 | 30 0 | 11 0 | 11 0 | 12 0 | 15 0 | 15 0 | 15 0 | ... | ... | ... |
| 30 | Sarun | 17 0 | 16 8 | 22 0 | 32 0 | 31 0 | 35 0 | 10 12 | 10 8 | 9 12 | 18 8 | 18 12 | 19 8 | ... | ... | ... |
| 31 | Chumparun | Q 20 0 | 20 0 | 24 0 | 36 0 | 44 0 | ... | 9 0 | 9 0 | 8 0 | 15 0 | 17 0 | 17 8 | ... | ... | ... |
| 32 | Monghyr | 21 0 | 18 9 | 25 2 | 31 5 | 31 5 | 33 6 | 13 6 | 13 6 | 15 7 | ... | ... | ... | ... | ... | ... |
| 33 | Bhagulpore.* | | | | | | | | | | | | | | | |
| 34 | Purneah | R 25 0 | 25 0 | 24 0 | ... | ... | ... | 22 0 | 22 0 | 18 0 | 26 0 | 26 0 | 20 0 | ... | ... | ... |
| 35 | Maldah | 19 0 | 19 0 | 24 0 | 45 0 | 45 0 | 50 0 | 20 8 | 21 0 | 21 0 | 21 0 | 22 8 | 22 0 | 32 0 | 32 0 | 30 0 |
| 36 | Sonthal Pergunnahs | S 16 0 | 16 0 | 20 0 | ... | ... | ... | 18 0 | 17 0 | 19 0 | 22 0 | 24 0 | 22 0 | ... | ... | ... |
| | ORISSA. | | | | | | | | | | | | | | | |
| 37 | Cuttack | 13 2 | 15 12 | 21 0 | ... | ... | ... | 14 7 | 15 12 | 17 1 | 17 1 | 18 6 | 23 10 | ... | ... | ... |
| 38 | Pooree.* | | | | | | | | | | | | | | | |
| 39 | Balasore.* | | | | | | | | | | | | | | | |
| | CHOTA NAGPORE. *South-Western Frontier Agency.* | | | | | | | | | | | | | | | |
| 40 | Hazareebagh | T 19 8 | 19 0 | 21 0 | ... | ... | ... | 12 0 | 12 0 | 12 0 | 22 0 | 22 0 | 23 4 | ... | ... | ... |
| 41 | Lohardugga | 22 0 | 24 0 | 24 0 | 40 0 | 40 0 | 28 0 | 23 0 | 24 0 | 24 0 | 27 0 | 28 0 | 28 0 | ... | ... | ... |
| 42 | Singhboom | 26 0 | 26 0 | 22 0 | 40 0 | 40 0 | 32 0 | 20 0 | 20 0 | 18 0 | 40 0 | 40 0 | 36 0 | ... | ... | ... |
| 43 | Manbhoom | U 18 0 | 18 0 | 18 0 | 28 0 | ... | 28 0 | 20 0 | 20 0 | 16 0 | 20 0 | 20 0 | 22 0 | ... | ... | ... |

* Returns not received.

N In the interior the prices range as follow :—Wheat 20 to 23 seers, barley 35 to 37-8 seers, best rice 12-8 seers, common rice 18-12 to 21 seers, and gram 26 to 32-8 seers.

O In the interior the prices range as follow :—Wheat 18-8 to 22 seers, barley 28 to 40 seers, best rice 11 to 13 seers, common rice 18 to 19 seers, and gram 30 to 40 seers.

P In the interior the prices range as follow :—Wheat 20 to 32-8 seers, barley 29 to 50 seers, best rice 12-8 to 21 seers, common rice 16 to 23-8 seers, lesser millets 21 to 40 seers, maize or Indian-corn 28 to 40 seers, and gram 28 to 50 seers.

Q In the interior the prices range as follow :—Wheat 20 to 29-8 seers, barley 30 to 40 seers, best rice 13 to 16 seers, common rice 16 to 18 seers, maize or Indian-corn 28 to 40 seers, and gram 20 to 35 seers.

CALCUTTA,

*The 19th June* 1877.

*Districts of Bengal for the Fortnight ending 15th June* 1877.—(Continued.)

THE SEER OF 80 TOLAHS.

| Great Millet—Cholum, Jowar. | | | Lesser Millets—Ragi or Murwa, and Cheena. | | | Maize or Indian-corn. | | | Gram. | | | Firewood. | | | Salt. | | | Districts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | *Eastern Districts.*—(Contd.) |
| | | | | | | | | | | | | | | | | | | Chittagong.* |
| | | | | | | | | | | | | | | | | | | Noakholly.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 18 8 | ... | ... | ... | 9 0 | 9 0 | 8 8 | Tipperah. |
| | | | | | | | | | | | | | | | | | | Chittagong Hill Tracts.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 5 | 11 5 | 11 6 | ... | ... | ... | 8 0 | 8 0 | 8 0 | Hill Tipperah. |
| | | | | | | | | | | | | | | | | | | BEHAR. |
| 26 0 | 31 0 | 20 0 | ... | ... | ... | 37 0 | 32 0 | 32 0 | 31 0 | 29 0 | 34 0 | 140 0 | 140 0 | 150 0 | 8 0 | 8 0 | 8 0 | Patna. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 8 | 28 8 | 25 8 | 160 0 | 160 0 | 160 0 | 8 0 | 8 0 | 7 8 | Gya. |
| ... | ... | ... | 32 0 | 36 0 | ... | 29 0 | 28 0 | ... | 30 0 | 31 0 | ... | 160 0 | 160 0 | ... | 8 12 | ... | ... | Shahabad. |
| ... | ... | ... | 25 4 | 27 8 | 27 8 | 26 4 | 30 12 | 26 4 | 27 8 | 30 0 | 176 0 | 176 0 | 160 0 | 7 10 | 7 10 | 7 4 | | Durbhunga. |
| ... | ... | ... | ... | ... | ... | 25 0 | 28 0 | 31 4 | 24 0 | 25 0 | 27 0 | 140 0 | 140 0 | 140 0 | 7 8 | 8 0 | 8 0 | Mozufferpore. |
| 32 0 | 32 0 | ... | 30 0 | 29 0 | 36 0 | 31 8 | 32 0 | 35 0 | 27 8 | 27 8 | 32 0 | 160 0 | 160 0 | 160 0 | 8 0 | 8 4 | 8 4 | Sarun. |
| ... | ... | ... | ... | ... | ... | 28 0 | 30 0 | 42 0 | 28 0 | 28 0 | 32 0 | ... | ... | ... | 7 12 | 7 12 | 7 12 | Chumparun. |
| ... | ... | ... | ... | ... | ... | 26 2 | 31 5 | 31 5 | 29 4 | 31 5 | 32 5 | 193 0 | 147 0 | 147 0 | 6 9 | 8 4 | 8 4 | Monghyr. |
| | | | | | | | | | | | | | | | | | | Bhagulpore.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 0 | 28 0 | 26 0 | 160 0 | 160 0 | 160 0 | 8 0 | 8 0 | 8 0 | Purneah. |
| ... | ... | ... | ... | ... | ... | 45 0 | 45 0 | 40 0 | 28 0 | 30 0 | 35 0 | 160 0 | 120 0 | 160 0 | 8 4 | 8 4 | 8 0 | Maldah. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 0 | 22 0 | 24 0 | 240 0 | 280 0 | 240 0 | 8 0 | 8 0 | 8 0 | Sonthal Perghs. |
| | | | | | | | | | | | | | | | | | | ORISSA. |
| ... | ... | ... | 21 0 | 21 0 | 19 11 | ... | ... | ... | 17 1 | 15 12 | 26 14 | 200 0 | 200 0 | 200 0 | 11 0 | 12 0 | 13 0 | Cuttack. |
| | | | | | | | | | | | | | | | | | | Pooree.* |
| | | | | | | | | | | | | | | | | | | Balasore.* |
| | | | | | | | | | | | | | | | | | | CHOTA NAGPORE. *South-Western Frontier Agency.* |
| ... | ... | ... | 33 0 | 33 0 | 36 0 | 30 0 | ... | ... | 24 0 | 24 0 | 22 8 | 240 0 | 240 0 | 240 0 | 8 0 | 8 0 | 7 8 | Hazaribagh. |
| ... | ... | ... | 40 0 | 40 0 | 40 0 | ... | ... | ... | 22 0 | 24 0 | 22 0 | 180 0 | 180 0 | 200 0 | 7 0 | 7 0 | 6 0 | Lohardugga. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 0 | 24 0 | 20 0 | 320 0 | 320 0 | 320 0 | 6 0 | 6 0 | 6 0 | Singbhoom. |
| ... | ... | ... | 64 0 | ... | 64 0 | 40 0 | ... | 40 0 | 21 0 | 22 0 | 20 0 | 200 0 | 200 0 | 240 0 | 8 0 | 8 0 | 8 0 | Manbhoom. |

R In the interior the prices range as follow:—Wheat 20 to 25 seers, best rice 22 to 23 seers, common rice 25 to 27 seers, and gram 28 to 30 seers.

S In the interior the prices range as follow:—Wheat 26 to 25 seers, barley 30 to 37-8 seers, best rice 18 to 20 seers, common rice 22 to 25 seers, and gram 25 to 31 seers.

T In the interior the prices range as follow:—Wheat 18 to 25 seers, barley 28 to 40 seers, best rice 12 seers, common rice 19 to 24-8 seers, lesser millets 35 to 40 seers, maize or Indian-corn 25-8 to 32 seers, and gram 21 to 32-8 seers.

U In the interior the prices range as follow:—Wheat 17 to 21 seers, best rice 22 to 30 seers, common rice 25 to 34 seers, and gram 17 to 24 seers.

Published for general information.

H. J. S. COTTON,
*Jr. Secy. to the Govt. of Bengal.*

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Divisions. | Districts. | Stations. | Rain from 27th May to 2nd June 1877. | Rain from 3rd to 9th June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL. | | | Inches. | Inches. | Inches. | 1877. | |
| | Western Districts. | | | | | | |
| Burdwan | Burdwan ... ... | Burdwan ... ... | 2·03 | 2·30 | 13·16 | 9th June | |
| | | Cutwa ... ... | 1·30 | 7·88 | 19·43 | ditto | |
| | | Culna ... ... | 0·31 | 2·37 | 12·04 | ditto | |
| | | Bood-Bood ... ... | 0·24 | 2·06 | 8·47 | ditto | |
| | | Raneegunge ... ... | 0·41 | 0·53 | 7·22 | ditto | |
| | | Jehanabad ... ... | 2·89 | 5·28 | 19·64 | ditto | |
| | Bankoora ... ... | Bankoora ... ... | 0·97 | 2·84 | 11·15 | ditto | |
| | Beerbhoom ... ... | Soorie ... ... | 0·59 | 2·44 | 10·70 | ditto | |
| | | Hetampore ... ... | 1·00 | 3·03 | 12·90 | ditto | |
| | | Roypore ... ... | 0·78 | 4·10 | 11·66 | ditto | |
| | Midnapore ... ... | Midnapore ... ... | 0·13 | 3·62 | 17·85 | ditto | |
| | | Tumlook ... ... | Not rec. | 1·54 | 10·43 | ditto | Not recd. 27th May to 2nd June. |
| | | Ghattal ... ... | 3·32 | 2·89 | 16·69 | ditto | |
| | | Contai { Dy. Collr.'s Office... | 0·25 | 2·63 | 15·73 | ditto | |
| | | Contai { Exe. Engr.'s Office | Nil | 2·38 | 16·72 | ditto | |
| | Hooghly ... ... | Hooghly ... ... | 1·10 | 5·31 | 17·23 | ditto | |
| | | Serampore ... ... | 1·89 | 2·47 | 15·91 | ditto | |
| | Howrah ... ... | Howrah ... ... | 1·71 | 1·18 | 16·85 | ditto | |
| | | Maheshrekha ... ... | 4·86 | 2·24 | 17·13 | ditto | |
| | Central Districts. | | | | | | |
| Presidency | 24-Pergunnahs ... | Saugor Island ... ... | 1·90 | 4·60 | 19·54 | ditto | |
| | | Calcutta ... ... | 1·39 | 1·75 | 15·67 | ditto | |
| | | Alipore { Dispensary ... | 1·58 | 2·12 | 17·01 | ditto | |
| | | Alipore { Jail ... ... | 0·23 | 2·15 | 17·02 | ditto | |
| | | Busseerhat ... ... | 1·40 | 3·19 | 16·16 | ditto | |
| | | Baraset ... ... | 2·02 | 1·02 | 13·74 | ditto | |
| | | Diamond Harbour ... | 3·13 | 6·55 | 22·40 | ditto | |
| | | Barripore ... ... | 1·76 | 1·73 | 18·01 | ditto | |
| | | Satkhira ... ... | 2·68 | 2·57 | 26·17 | ditto | |
| | | Barrackpore ... ... | 2·74 | 2·80 | 16·39 | ditto | |
| | | Dum-Dum ... ... | 1·37 | 0·61 | 13·04 | ditto | |
| | Nuddea ... ... | Kishnaghur ... ... | 0·39 | 4·06 | 19·61 | ditto | |
| | | Bongong ... ... | 0·15 | 1·92 | 13·97 | ditto | |
| | | Meherpore ... ... | 1·80 | 3·68 | 18·31 | ditto | |
| | | Chooadanga ... ... | 2·37 | 2·27 | 21·01 | ditto | |
| | | Kooshtea ... ... | 3·60 | 3·14 | 20·13 | ditto | |
| | | Ranaghat ... ... | 1·32 | 3·52 | 16·21 | ditto | |
| | | Jessore ... ... | 1·70 | 3·59 | 21·88 | ditto | |
| | Jessore ... ... | Narail ... ... | 0·20 | 2·48 | 16·79 | ditto | |
| | | Khoolna ... ... | 1·27 | 2·43 | 24·70 | ditto | |
| | | Jhenida ... ... | 0·12 | 4·54 | 20·57 | ditto | |
| | | Bagirhat ... ... | 1·40 | 4·75 | 32·14 | ditto | |
| | | Magoorah ... ... | 0·19 | 3·58 | 24·08 | ditto | |
| | | Berhampore ... ... | 0·27 | 2·74 | 12·85 | ditto | |
| | | Ramporehaut ... ... | 2·03 | 2·37 | 12·62 | ditto | |
| | Moorshedabad ... | Lalibagh ... ... | 0·12 | 1·78 | 13·04 | ditto | |
| | | Jungypore ... ... | 0·79 | 2·26 | 12·18 | ditto | |
| | | Azimgunge ... ... | 0·50 | Not rec. | 10·36 | 2nd June | |
| | | Lalgolla ... ... | 0·65 | 1·14 | 12·17 | 9th June | |
| | | Kandee ... ... | 1·42 | 2·26 | 12·16 | ditto | |
| Rajshahye | Dinagepore ... ... | Dinagepore ... ... | 0·16 | 2·46 | 19·62 | ditto | |
| | | Raigunge ... ... | 0·97 | 1·65 | 18·02 | ditto | |
| | Maldah ... ... | Maldah ... ... | 0·06 | 1·29 | 13·85 | ditto | |
| | | Chanchal ... ... | 0·09 | 1·14 | 15·38 | ditto | |
| | Rajshahye ... ... | Baulleah ... ... | 1·21 | 5·22 | 19·50 | ditto | |
| | | Nattore ... ... | 0·26 | 6·87 | 16·59 | ditto | |
| | Rungpore ... ... | Rungpore ... ... | 0·73 | 1·49 | 27·47 | ditto | |
| | | Bhowanigunge ... ... | Nil | 3·43 | 15·46 | ditto | |
| | | Kurigram ... ... | 0·66 | 4·79 | 28·91 | ditto | |
| | | Bagdogra ... ... | Nil | Not rec. | 24·08 | 2nd June | |
| | Bogra ... ... | Bogra ... ... | 1·31 | 4·24 | 15·99 | 9th June | |
| | | Sherpore ... ... | 0·12 | 4·27 | 17·17 | ditto | |
| | | Nowkhilla ... ... | 0·40 | 3·60 | 11·61 | ditto | |
| | | Panchbibi ... ... | 0·72 | 3·55 | 13·35 | ditto | |
| | | Haloiya ... ... | 0·05 | 1·62 | 10·23 | ditto | |
| | Pubna ... ... | Pubna ... ... | 1·12 | 5·08 | 23·11 | ditto | |
| | | Serajgunge ... ... | Nil | 6·00 | 16·56 | ditto | |
| Cooch Behar | Darjeeling ... ... | Darjeeling { Telegraph Office | 0·40 | Not rec. | 18·71 | 2nd June | |
| | | Darjeeling { Hospital ... | 1·01 | 3·99 | 25·67 | 9th June | |
| | Julpigoree ... ... | Julpigoree ... ... | 1·14 | 3·57 | 23·04 | ditto | |
| | | Bodah ... ... | Nil | Not rec. | 20·08 | 2nd June | |
| | | Buxa—Civil Surgeon's Office | 2·50 | 7·20 | 43·46 | 9th June | |
| | | Titalya ... ... | 1·22 | 3·47 | 24·98 | ditto | |
| | Cooch Behar Tributary States. | Cooch Behar ... ... | Nil | 1·03 | 32·89 | ditto | |

| Divisions. | Districts. | Stations. | Rain from 27th May to 2nd June 1877. | Rain from 3rd to 9th June 1877. | Rain from 1st January 1877. | | Remarks. |
|---|---|---|---|---|---|---|---|
| | | | | | Inches. | Up to date. | |
| BENGAL—(*Continued*). | | | | | | | |
| | Eastern Districts. | | Inches. | Inches. | | 1877. | |
| Dacca | Dacca ... | Dacca... Telegraph Office... | 0·91 | Not rec. | 15·40 | 2nd June | |
| | | Dacca... Hospital ... | 1·01 | 4·20 | 25·36 | 9th June | |
| | | Moonsheegunge ... | 0·75 | 9·18 | 45·32 | ditto | |
| | | Maniickgunge ... | 1·78 | 1·93 | 18·40 | ditto | |
| | Furreedpore ... | Furreedpore ... | 0·57 | 5·66 | 22·95 | ditto | |
| | | Goalundo ... | 0·30 | 3·61 | 17·94 | ditto | |
| | | Madaripore ... | 0·49 | 1·55 | 21·24 | ditto | |
| | Backergunge ... | Burrisal ... | 2·50 | 1·59 | 32·61 | ditto | |
| | | Perozepore ... | 0·20 | 4·05 | 24·29 | ditto | |
| | | Patookhally ... | 2·13 | 8·21 | 32·40 | ditto | |
| | | Bholá ... | 0·26 | 3·39 | 18·46 | ditto ... | From 4th February. |
| | Mymensingh ... | Mymensingh ... | 2·02 | 4·31 | 23·86 | ditto | |
| | | Jamalpore ... | 1·06 | 5·48 | 19·86 | ditto | |
| | | Atia ... | 0·73 | 5·08 | 21·37 | ditto | |
| | | Kishoregunge ... | 2·57 | 6·93 | 31·30 | ditto | |
| Chittagong | Chittagong ... | Chittagong Telegraph Office | 8·80 | 6·50 | 22·20 | ditto | |
| | | Chittagong Jail ... | 0·38 | 6·58 | 21·47 | ditto | |
| | | Cox's Bazar ... | 0·76 | 5·77 | 22·13 | ditto | |
| | Noakholly ... | Noakholly ... | 0·03 | 4·74 | 21·30 | ditto | |
| | | Fenny ... | 0·37 | 14·06 | 31·87 | ditto | |
| | Tipperah ... | Comillah ... | 1·35 | 6·02 | 32·97 | ditto | |
| | | Brahmunbariah ... | 1·01 | 5·74 | 34·13 | ditto | |
| | Chittagong Hill Tracts | Rungamatee Hill ... | 0·25 | 5·14 | 24·44 | ditto | |
| | Hill Tipperah ... | Hill Tipperah ... | 1·77 | 2·57 | 32·64 | ditto | |
| BEHAR. | | | | | | | |
| Patna | Patna ... | Patna ... | 2·07 | 0·38 | 8·94 | ditto | |
| | | Behar ... | Nil | Nil | 13·15 | ditto | |
| | | Barh ... | ditto | 0·52 | 12·37 | ditto | |
| | | Dinapore ... Jail ... | Not rec. | Not rec. | 4·99 | 25th May | |
| | | Dinapore ... Cantonment... | 0·25 | 0·47 | 4·68 | 9th June | |
| | Gya ... | Gya ... | 0·46 | Nil | 15·30 | ditto | |
| | | Nowadah ... | Nil | ditto | 14·07 | ditto ... | Not recd. 18th to 24th February. |
| | | Aurungabad ... | 1·06 | 1·62 | 12·99 | ditto ... | Not recd. 12th Jan. and 4th to 10th February. |
| | | Jehanabad ... | 0·03 | 0·14 | 11·03 | ditto | |
| | Shahabad ... | Arrah ... | 1·15 | 0·87 | 11·03 | ditto | |
| | | Sasseram ... | Not rec. | Not rec. | 6·96 | 19th May | |
| | | Buxar ... | 0·70 | 0·22 | 7·87 | 9th June | |
| | | Bhuboosh ... | Nil | Nil | 5·91 | ditto ... | Not recd. 6th to 12th May. |
| Patna. | Mozufferpore... | Mozufferpore ... | Not rec. | Not rec. | 4·70 | 26th May | |
| | | Hajeepore ... | ditto | ditto | 6·38 | ditto | |
| | | Seetamurhee ... | ditto | ditto | 6·90 | ditto | |
| | Durbhunga ... | Durbhunga ... | 1·24 | 0·49 | 7·90 | 9th June | |
| | | Mudhoobunnee ... | 1·22 | Not rec. | 7·98 | 2nd June | |
| | | Tajpore ... | 0·39 | Nil | 6·59 | 9th June | |
| | Sarun ... | Chupra ... | 0·45 | 2·39 | 8·39 | ditto | |
| | | Sewan ... | 0·14 | 3·66 | 10·61 | ditto | |
| | Chumparun ... | Motiharee ... | 0·92 | 0·53 | 8·84 | ditto | |
| | | Bettiah ... | 0·72 | 2·99 | 13·59 | ditto | |
| | | Segowlie ... | 1·51 | 0·96 | 12·07 | ditto | |
| | Monghyr ... | Monghyr ... | 0·11 | 0·09 | 10·02 | ditto | |
| | | Beguserai ... | Nil | 0·47 | 7·89 | ditto ... | Not recd. 6th to 12th May. |
| | | Jamooee ... | ditto | 0·55 | 11·47 | ditto | |
| Bhagulpore. | Bhagulpore ... | Bhagulpore ... | 0·17 | 0·09 | 12·76 | ditto | |
| | | Soopool ... | 2·89 | Nil | 9·32 | ditto | |
| | | Muddehpoora ... | 1·90 | 1·05 | 10·29 | ditto | |
| | | Banka ... | 0·80 | 1·26 | 9·20 | ditto | |
| | | Sonbursa ... | 0·86 | 1·17 | 8·84 | ditto | |
| | Purneah ... | Purneah ... | 1·80 | 0·45 | 14·09 | ditto | |
| | | Kissengunge ... | 0·07 | 4·54 | 17·14 | ditto | |
| | | Arrareah ... | Nil | 1·90 | 14·68 | ditto | |
| | Sonthal Pergunnahs | Nya Doomka ... | 0·41 | 4·14 | 14·99 | ditto | |
| | | Rajmahal ... | Nil | Not rec. | 12·90 | 2nd June | |
| | | Deoghur ... | Not rec. | 1·87 | 13·88 | 9th June | Not recd. 27th May to 2nd June. |
| | | Godda ... | Nil | Not rec. | 7·27 | 2nd June | |

| Divisions. | Districts | Stations. | Rain from 27th May to 2nd June 1877. | Rain from 3rd to 9th June 1877. | Rain from 1st January 1877. | | Remarks. |
|---|---|---|---|---|---|---|---|
| | | | | | Inches. | Up to date. | |
| ORISSA. | | | Inches. | Inches. | | 1877. | |
| Orissa. | Cuttack ... ... | Cuttack... Telegraph Office | 0·40 | 2·10 | 13·80 | 9th June | |
| | | Cuttack... Hospital ... | 0·49 | 1·88 | 14·13 | ditto | |
| | | Jajpore ... ... | 1·40 | 2·70 | 21·20 | ditto | |
| | | Kendraparah ... ... | 0·30 | 1·80 | 16·30 | ditto | |
| | | Jugutsingpore ... ... | 1·00 | 1·40 | 9·35 | ditto | |
| | | False Point ... ... | 0·35 | 0·70 | 35·70 | ditto | |
| | Pooree ... ... | Pooree ... ... | 0·14 | 1·14 | 10·37 | ditto | |
| | | Khurdah ... ... | 0·25 | 1·79 | 14·36 | ditto | |
| | Balasore ... ... | Balasore... Exe. Engr.'s Office | 0·63 | 1·02 | 12·31 | ditto | |
| | | Balasore... Collector's Office | 0·81 | 1·57 | 13·63 | ditto | |
| | | Bhadrack ... ... | 0·66 | 0·27 | 21·08 | ditto | |
| | | Jellassore ... ... | 1·01 | 5·73 | 19·89 | ditto | |
| | | Serah ... ... | 0·64 | 1·28 | 16·58 | ditto | |
| | | Chandbally ... ... | 0·45 | 0·61 | 17·49 | ditto | |
| | Cuttack Tributary Mehals | Sumbulpore ... ... | Nil | 1·40 | 9·50 | ditto | |
| CHOTA NAGPORE. | | | | | | | |
| South-Western Frontier Agency. | | | | | | | |
| | Hazareebagh ... | Hazareebagh... Jail ... | ditto | 2·30 | 11·08 | ditto | |
| | | Hazareebagh... Dispensary | ditto | 1·27 | 13·01 | ditto | |
| | | Pachumba ... ... | 0·85 | 0·32 | 10·20 | ditto | |
| | Lohardugga ... ... | Ranchee ... ... | Nil | 1·96 | 15·49 | ditto | Not recd. 6th to 12th May. |
| | | Palamow ... ... | ditto | 1·45 | 14·12 | ditto | Ditto ditto. |
| | Singbhoom ... ... | Chyebassa ... ... | 0·08 | 2·95 | 17·63 | ditto | |
| | Manbhoom ... ... | Purulish ... ... | 0·69 | 2·55 | 16·45 | ditto | |
| | | Goviudpore ... ... | 0·35 | 0·85 | 9·69 | ditto | |
| ASSAM & ADJACENT HILLS. | | | | | | | |
| | Sylhet ... ... | Sylhet ... ... | 0·12 | 14·40 | 44·23 | ditto | |
| | Seebsaugor ... ... | Seebsaugor ... ... | 0·47 | Not rec. | 27·62 | 2nd June | |
| | | Golighat ... ... | 0·76 | ditto | 25·03 | ditto | |
| | | Jorehaut ... ... | 0·09 | ditto | 23·68 | ditto | |
| | | Deopanie ... ... | 2·97 | ditto | 25·58 | ditto | |
| | | Hattiepootie ... ... | 1·91 | ditto | 27·00 | ditto | |
| | | Maxengah ... ... | 1·61 | ditto | 22·46 | ditto | |
| | | Nazerah ... ... | 1·36 | ditto | 21·87 | ditto | |
| | | Suntock ... ... | 2·20 | ditto | 25·06 | ditto | |
| | | Cherideo ... ... | 1·93 | ditto | 28·35 | ditto | |
| | | Akyab ... ... | 1·70 | 10·20 | 14·40 | 9th June | |
| | Rajpootana ... | Alwar ... ... | Not rec. | Not rec. | Nil | 26th May | |
| | | Jaipur ... ... | 1·44 | 0·12 | 3·61 | 9th June | |
| | | Sambhar ... ... | Nil | Nil | 1·92 | ditto | |

CALCUTTA,
*The 16th June 1877.*

JOHN ELIOT, M. A.,
*Meteorological Reporter to the Govt. of Bengal.*

## Meteorological Telegraphic Report for the period 10th to 16th June 1877.

| Stations. | Date. | Hour. | Barometer reduced to 32°. | Barometer reduced to sea-level. | Hygrometer. Dry. | Hygrometer. Wet. | Humidity Sat.=100. | Wind. Direction. | Wind. Velocity. | Rain. | Clouds. | Weather initials. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcutta. | June 10th | 10 | 29·609 | 29·627 | 89·8 | 82·0 | 70 | S S W | ..... | 0·07 | C | |
| | | 16 | 29·499 | 29·517 | 95·8 | 85·2 | 63 | S by W | ..... | ..... | C | |
| | 11th | 10 | 29·588 | 29·606 | 90·0 | 84·7 | 80 | N by W | ..... | ..... | ..... | scuds. |
| | | 16 | 29·525 | 29·547 | 83·8 | 76·2 | 69 | S | ..... | 0·43 | ..... | o |
| | 12th | 10 | 29·666 | 29·684 | 89·6 | 84·5 | 81 | S by W | ..... | ..... | K | |
| | | 16 | 29·592 | 29·611 | 79·6 | 76·5 | 87 | S by E | ..... | ..... | ..... | o, t* |
| | 13th | 0 | 29·722 | 29·740 | 87·3 | 80·2 | 72 | S S W | ..... | ..... | ..... | b |
| | | 16 | 29·647 | 29·665 | 94·3 | 82·3 | 58 | S | ..... | ..... | K | |
| | 14th | 10 | 29·742 | 29·760 | 90·3 | 82·7 | 72 | S by W | ..... | ..... | ..... | b |
| | | 16 | 29·660 | 29·678 | 94·8 | 81·7 | 56 | S | ..... | ..... | K, C | |
| | 15th | 10 | 29·777 | 29·795 | 90·6 | 83·7 | 74 | S | ..... | ..... | K | |
| | | 16 | 29·665 | 29·683 | 94·8 | 84·0 | 63 | S | ..... | ..... | K | |
| | 16th | 10 | 29·722 | 29·740 | 90·3 | 82·2 | 68 | S | ..... | ..... | K | |
| | | 16 | 29·594 | 29·612 | 94·8 | 82·2 | 57 | S by E | ..... | ..... | ..... | b |
| Saugor Island. | June 10th | 10 | 29·631 | 29·637 | 89 | 85 | 84 | S W | 18·9 | ..... | PC | b |
| | | 16 | 29·527 | 29·533 | 90 | 85 | 81 | S | 11·8 | ..... | PC | b, m |
| | 11th | 10 | 29·616 | 29·622 | 88 | 85 | 88 | S S W | 18·4 | ..... | FK | b, m |
| | | 16 | 29·526 | 29·532 | 91 | 86 | 81 | S S W | 20·5 | ..... | FK | o |
| | 12th | 10 | 29·679 | 29·685 | 88 | 84 | 84 | S S W | 13·8 | 0·20 | P, FK | o, m |
| | | 16 | 29·594 | 29·600 | 87 | 83 | 84 | S S W | 19·3 | ..... | P, FK | m, m, o |
| | 13th | 10 | 29·722 | 29·728 | 88 | 82 | 76 | S S E | 11·1 | 0·30 | FK | b |
| | | 16 | 29·673 | 29·678 | 89 | 81 | 69 | S | 10·0 | ..... | KS | b, m |
| | 14th | 10 | 29·760 | 29·766 | 88 | 83 | 80 | S S W | 9·9 | ..... | FK | b |
| | | 16 | 29·683 | 29·689 | 89 | 84 | 80 | S | 13·4 | ..... | FK | b, m |
| | 15th | 10 | 29·791 | 29·797 | 89 | 84 | 80 | S S W | 11·1 | ..... | FK | b, m |
| | | 16 | 29·686 | 29·692 | 89 | 84 | 80 | S S W | 13·7 | ..... | C, FK | |
| | 16th | 10 | 29·717 | 29·723 | 89 | 84 | 80 | S S W | 14·3 | ..... | FK | b, m |
| | | 16 | 29·618 | 29·624 | 90 | 84 | 77 | S S E | 16·0 | ..... | FK | b |
| Chittagong. | June 10th | 10 | 29·624 | 29·717 | 81 | 78 | 87 | S E | 7·3 | 0·50 | P | g |
| | | 16 | 29·512 | 29·604 | 84 | 80 | 83 | W | 12·6 | ..... | CK | v |
| | 11th | 10 | 29·643 | 29·735 | 85 | 80 | 79 | S S E | 4·4 | ..... | P | m |
| | | 16 | 29·544 | 29·636 | 83 | 78 | 79 | N W | 7·7 | ..... | P | g |
| | 12th | 10 | 29·705 | 29·797 | 83 | 78 | 79 | S S E | 3·8 | ..... | P | o |
| | | 16 | 29·601 | 29·693 | 86 | 81 | 80 | W | 8·1 | ..... | K, FK | |
| | 13th | 10 | 29·710 | 29·802 | 87 | 81 | 76 | S | 4·8 | 1·50 | PC, K | |
| | | 16 | 29·638 | 29·720 | 87 | 82 | 80 | S | 2·9 | ..... | FK | g |
| | 14th | 10 | 29·747 | 29·838 | 88 | 82 | 76 | S S E | 3·1 | ..... | FK | v |
| | | 16 | 29·649 | 29·740 | 91 | 81 | 63 | W | 7·0 | ..... | ..... | b, v |
| | 15th | 10 | 29·764 | 29·855 | 90 | 83 | 73 | S W | 2·7 | ..... | K | v |
| | | 16 | 29·652 | 29·743 | 89 | 82 | 73 | W | 5·7 | ..... | FK | v |
| | 16th | 10 | 29·682 | 29·773 | 89 | 83 | 77 | S W | 4·6 | ..... | K, P | v |
| | | 16 | 29·655 | 29·746 | 88 | 82 | 76 | S E | 5·4 | ..... | CS | v |
| Madras. | June 9th | 10 | 29·842 | 29·864 | 91 | 76 | 48 | S S W | 14 | ..... | ..... | c |
| | | 16 | 29·714 | 29·736 | 87 | 67 | 57 | S E by S | 13 | ..... | ..... | bc |
| | 10th | 10 | 29·836 | 29·858 | 87 | 79 | 69 | S E | 4 | ..... | ..... | cloudy. |
| | | 16 | 29·694 | 29·716 | 86 | 78 | 68 | S E by S | 12 | ..... | ..... | cloudy. |
| | 11th | 10 | 29·782 | 29·804 | 87 | 80 | 72 | S by W | 6 | 0·16 | ..... | cloudy. |
| | | 16 | 29·685 | 29·707 | 87 | 78 | 65 | S E by S | 5 | ..... | ..... | bc |
| | 12th | 10 | 29·798 | 29·820 | 86 | 79 | 72 | S W | 3 | 1·27 | ..... | cloudy. |
| | | 16 | 29·696 | 29·718 | 86 | 79 | 72 | S E by S | 11 | ..... | ..... | cloudy. |
| | 13th | 10 | 29·828 | 29·850 | 86 | 75 | 58 | S S W | 8 | ..... | ..... | cloudy. |
| | | 16 | 29·756 | 29·778 | 87 | 79 | 69 | S E by S | 11 | ..... | ..... | c |
| | 14th | 10 | 29·861 | 29·883 | 86 | 76 | 61 | S W by S | 9 | 0·40 | ..... | cloudy. |
| | | 16 | 29·753 | 29·775 | 87 | 77 | 62 | S S E | 11 | ..... | ..... | c |
| | 15th | 10 | 29·874 | 29·896 | 87 | 76 | 53 | S W by W | 11 | ..... | ..... | bc |
| | | 16 | 29·760 | 29·782 | 89 | 78 | 59 | S S E | 9 | ..... | ..... | b |
| Cuttack. | June 10th | 10 | 29·596 | 29·677 | 92 | 80 | 57 | W N W | 5·0 | ..... | C | c |
| | | 16 | 29·448 | 29·527 | 100 | 79 | 37 | W | 6·5 | ..... | C | c |
| | 11th | 10 | 29·570 | 29·650 | 95 | 83 | 59 | S W | 5·9 | ..... | C | c |
| | | 16 | 29·428 | 29·505 | 103 | 83 | 41 | S | 5·8 | ..... | CK | c |
| | 12th | 10 | 29·588 | 29·669 | 90 | 83 | 73 | S | 6·4 | ..... | C, PC | c |
| | | 16 | 29·507 | 29·588 | 89 | 81 | 69 | S W | 7·6 | ..... | CK, PC | w |
| | 13th | 10 | 29·666 | 29·748 | 86 | 77 | 65 | W S W | 5·3 | 0·10 | CK, PC | c |
| | | 16 | 29·596 | 29·677 | 90 | 79 | 60 | S | 4·4 | ..... | CK, PC | c |
| | 14th | 10 | 29·698 | 29·779 | 92 | 81 | 61 | W | 3·1 | ..... | ..... | b |
| | | 16 | 29·585 | 29·664 | 98 | 84 | 54 | S | 4·0 | ..... | K | b |
| | 15th | 10 | 29·705 | 29·786 | 92 | 82 | 64 | S W | 4·9 | ..... | C | c |
| | | 16 | 29·575 | 29·655 | 97 | 85 | 59 | S S E | 6·1 | ..... | C, K, PK | c |
| | 16th | 10 | 29·623 | 29·703 | 93 | 84 | 67 | S | 4·9 | ..... | C, CK | c |
| | | 16 | 29·496 | 29·576 | 96 | 85 | 62 | S | 5·2 | ..... | C, K | c |
| Akyab. | June 10th | 10 | 29·769 | 29·791 | 81 | 77 | 83 | S E | 3·0 | 1·20 | K, N | |
| | | 16 | 29·675 | 29·697 | 84 | 79 | 79 | S | 7·5 | ..... | CK, N | |
| | 11th | 10 | 29·774 | 29·796 | 78 | 77 | 95 | E N E | 4·8 | 0·80 | N | |
| | | 16 | 29·680 | 29·702 | 81 | 79 | 91 | S W | 2·5 | ..... | N | |
| | 12th | 10 | 29·791 | 29·812 | 86 | 81 | 80 | S E | 3·2 | 0·20 | N, CK | |
| | | 16 | 29·729 | 29·750 | 86 | 80 | 76 | S | 7·5 | ..... | CK, N | |
| | 13th | 10 | 29·836 | 29·858 | 83 | 80 | 87 | S E | 9·0 | ..... | CK, N | |
| | | 16 | 29·758 | 29·779 | 85 | 81 | 83 | S | 6·6 | ..... | CK, N | |
| | 14th | 10 | 29·796 | 29·818 | 82 | 80 | 91 | S E | 3·3 | 4·10 | CK, N | |
| | | 16 | 29·776 | 29·797 | 86 | 81 | 80 | S | 5·6 | ..... | CK, N | |
| | 15th | 10 | 29·876 | 29·898 | 83 | 79 | 83 | S E | 2·0 | ..... | CK, N | |
| | | 16 | 29·753 | 29·774 | 88 | 82 | 76 | S W | 4·5 | ..... | CK, N | |
| | 16th | 10 | 29·808 | 29·829 | 87 | 82 | 80 | S | 1·2 | 0·10 | CK, N | |
| | | 16 | 29·714 | 29·735 | 87 | 82 | 80 | S S W | 4·5 | ..... | CK, N | |

* Velocity of wind in miles per hour.

CALCUTTA,
*The 16th June 1877.*

JOHN ELIOT, M.A.,
*Meteorological Reporter to the Government of Bengal.*

## Results of the Meteorological Observations taken at Alipore Observatory from 10th to 16th June 1877.

| Month. | Date. | Mean pressure; barometer at 32° Fah. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877. | | Inches. | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | Inch. | ⊖ | | | | Inch. | |
| June | 10th | 29·586 | 85·5 | 95·5 | 20·2 | 75·3 | 82·2 | 1·058 | 80·9 | 86 | Till 12½ A.M. W.S.W., till midnight, S. by E. | 140 | 0·18 | Partially cloudy till evening, ⊕ at 10 A.M., *lr.* on S.W. at 10 P.M., night clear. |
| „ | 11th | ·580 | 82·7 | 94·1 | 11·6 | 82·5 | 79·8 | 0·978 | 78·6 | 87 | Chiefly south ... | ·166 | 0.14 | Chiefly cloudy, *t.* at 3 P.M. and at 6·28 P.M., rain from 3½ P.M. to 3·48 P.M., *l.* from 7 P.M. to 10 P.M. *o.* and *g.* |
| „ | 12th | ·673 | 79·3 | 92·4 | 14·8 | 77·6 | 77·6 | ·925 | 76·8 | 93 | Till 2½ P.M. S., till 7¾ P.M. E.S.E. through S.E., till midnight S. back again. | 159 | ... | Cloudy, *t.* and *d.* at 3½ P.M., *l.* at 7½ P.M., *lr.* on W.N.W. at 10 P.M. *o.* and *g.* |
| „ | 13th | ·702 | 83·6 | 94·5 | 18·1 | 76·4 | 79·0 | ·932 | 77·1 | 81 | South ... | 100 | ... | Clear. |
| „ | 14th | ·724 | 85·7 | 94·9 | 15·3 | 79·6 | 80·3 | ·961 | 78·0 | 78 | South ... | 131 | ... | Chiefly clear. |
| „ | 15th | ·737 | 85·8 | 94·8 | 14·1 | 80·7 | 81·2 | 1·005 | 79·4 | 81 | Chiefly south ... | 153 | ... | Chiefly clear. |
| „ | 16th | ·674 | 86·2 | 95·6 | 15·1 | 80·5 | 81·6 | 1·019 | 79·8 | 81 | S. by W. till noon, till midnight S.E. | 179 | ... | Clear, *lr.* at 7·42 P.M. on S.W., ☾ at 10 P.M. |

| | Inch. |
|---|---|
| The mean pressure of the seven days ... ... | 29·682 |
| The average pressure of the corresponding period for 20 years ... ... | 29·546 |
| | ⊖ |
| The mean temperature of the seven days ... ... ... | 84·1 |
| The average temperature of the corresponding period for 20 years ... | 85·0 |
| The extreme variation of temperature during the seven days ... ... | 20·3 |
| The maximum temperature during the seven days ... ... | 95·6 |
| The mean humidity during the seven days ... ... ... | 84· |
| The total fall of rain from 10th to 16th June ... ... ... | 0· 32 |
| The average fall of the corresponding period for 24 years ... ... | 2· 97 |

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain gauge is one foot above the ground.

*d.* drizzling, *l.* lightning, *lr.* lighting reflection, *t.* thunder, *o.* overcast, *g.* gloomy, ⊕ solar corona, ☾ lunar corona.

H. F. BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 18th June 1877.

## Reports of Fluctuations of Traffic on the East Indian Railway for the Month of May 1877.

EAST INDIAN RAILWAY, TRAFFIC MANAGER'S OFFICE, JUMALPORE, THE 11TH JUNE 1877.

*Remarks on Traffic of East Indian Railway for four weeks ending 26th May 1877.*

The approximate figures for the period are as follows:—

| | Coaching. | | Goods. | | Total. |
|---|---|---|---|---|---|
| | Mds. | Rs. | Mds. | Rs. | Rs. |
| 1877 ... ... ... ... ... ... ... ... | 4,89,196 | 5,54,832 | 56,30,570 | 24,38,001 | 29,92,833 |
| 1876 ... ... ... ... ... ... ... ... | 4,90,495 | 5,60,723 | 43,23,979 | 19,55,589 | 25,16,312 |
| Increase ... ... ... ... ... ... ... | ..... | ..... | 13,06,600 | 4,82,411 | 4,76,520 |
| Decrease ... ... ... ... ... ... ... | 16,299 | 5,891 | ..... | ..... | ..... |

The decrease in coaching earnings is very trifling and a mere fluctuation.

In merchandise traffic the increases are again very large, the principal staples being—

*Increases.*

| | |
|---|---|
| Coal. | Hides. |
| Grain. | Iron. |
| Gunny. | Tobacco. |

*Decreases.*

| | |
|---|---|
| Commissariat beer. | Piece-goods. |
| Betal-nuts | For railway material. |
| Cotton. | Salt. |
| Firewood. | Sugar. |
| Jaggree. | Timber. |

*Increases.*

| | | | |
|---|---|---|---|
| *Coal.*—Upward ... ... ... | Mds. 2,48,550 | Rs. 1,08,034 |
| Downward ... ... ... | " 3,97,930 | " 57,060 |
| Total ... | 6,46,480 | 1,65,094 |

The up traffic having been more than double that of last year and the down traffic some 50 per cent. more

*Grain* in its several divisions, viz.—

| | | |
|---|---|---|
| Wheat ... ... ... | + 6,63,719 | + 3,64,281 |
| Rice ... ... ... | + 37,810 | — 5,762 |
| Other cereals ... ... ... | + 83,899 | + 33,077 |
| Pulses ... ... ... | + 68,910 | + 14,276 |
| | 8,54,338 | 4,05,872 |

*Wheat*, it will be seen, covers nine-tenths of this increased earnings; the demand for export is enormous, and the latest market reports show that with an unusually heavy tonnage on the berth, freights are still going up.

*Gunny* ... ... ... ... Mds. 41,622 Rs. 48,894

Very large quantities are still being sent up from Howrah.

*Hides* ... ... ... ... Mds. 6,731 Rs. 4,161

Prices have been good in Calcutta and demand considerable.

*Iron* ... ... ... ... Mds. 40,132 Rs. 40,559

There has been a general demand in the up-country markets for ordinary bar, rod, and sheet iron.

*Tobacco* ... ... ... Mds. 9,772 Rs. 9,670

Tobacco has come in freely. We have been able to get a good deal of it away upwards.

*Decreases.*

*Commissariat beer* ... ... ... Mds. 8,387 Rs. 14,921

This is merely the accident of a despatch of a thousand hogsheads from Howrah towards the end of May 1876. Such despatches are not usual at this time of year.

*Cotton* ... ... ... ... Mds. 32,748 Rs. 54,112

There is no export market for cotton, while the carriage of loose cotton has been set aside to a great extent in favor of grain, &c., while the great scarcity of wagons has been felt.

*Jaggree* ... ... ... Mds. 61,781 Rs. 8,742

| | | |
|---|---|---|
| Salt ... ... ... | " 85,418 | " 15,808 |
| Sugar ... ... ... | " 20,370 | " 6,606 |
| Timber ... ... ... | " 7,356 | " 987 |

In all these cases, too, there has been plenty of traffic offering if we could only have taken it.

*For railway material* ... ... Mds. 15,954 Rs. 17,848

This is principally in miscellaneous stores for the state railways.

*Piece-goods* ... ... ... Mds. 13,476 Rs. 17,078

I need only here refer to my remarks on this subject in my April report, in which this decrease was fully anticipated.

Commercial matters are looking a little better and money somewhat easier during the last week, and some improvement may now be expected.

*Seeds* again show, as in April, an increased weight with decreased earnings, and for the same reasons.

JUBBULPORE LINE TRAFFIC.

| | Coaching. | | Goods. | | Total. |
|---|---|---|---|---|---|
| | Mds. | Rs. | Mds. | Rs. | Rs. |
| 1877 ... ... ... ... ... ... | 22,440 | 56,812 | 3,31,239 | 2,15,266 | 2,72,078 |
| 1876 ... ... ... ... ... ... | 20,525 | 49,793 | 4,30,419 | 1,04,682 | 1,54,475 |
| Increase ... | 1,915 | 7,019 | 5,20,829 | 1,10,584 | 1,17,603 |
| Decrease ... | ..... | ..... | ..... | ..... | ..... |

As regards merchandise figures the increase is undoubted, and is, it will be seen, over cent. per cent. in both weight and earnings.

Of the increase in weight 3,97,000 maunds is in grain and pulses and 75,200 maunds in seeds sent through to foreign lines *viâ* Jubbulpore.

The following is a statement of grain and seeds sent to Howrah and *viâ* Jubbulpore during four weeks ending 26th May 1877:—

| | Wheat. | Pulses. | Other cereals. | Seeds. |
|---|---|---|---|---|
| | Mds. | Mds. | Mds. | Mds. |
| To Howrah ... ... ... ... ... ... ... | 8,72,244 | 825 | 2,02,692 | 7,62,360 |
| *Viâ* Jubbulpore ... ... ... ... ... ... | 2,01,010 | 1,08,694 | 87,495 | 75,207 |
| Total ... | 10,73,254 | 1,09,219 | 2,90,187 | 8,37,567 |

From this it will be seen that of the whole weight lifted on the line of railway in up and down traffic together just one-third has been in the two samples of grain and seeds sent into Howrah station alone, and one-twelfth in traffic in the same staples to foreign railways *viâ* Jubbulpore.

This will illustrate the necessity of the increased accommodation at Howrah I have so often asked for.

MAIN LINE.

*Statement of Increases and Decreases of Staples during four weeks ending 26th May 1877.*

| STAPLES. | Increases. | | Decreases. | |
|---|---|---|---|---|
| | Mds. | Rs. | Mds. | Rs. |
| Beer, Commissariat ... ... ... ... ... ... ... ... | ..... | ..... | 8,387 | 14,921 |
| Beer, not Commissariat ... ... ... ... ... ... ... ... | ..... | ..... | 618 | 2,151 |
| Betel-nuts ... ... ... ... ... ... ... ... ... | ..... | ..... | 5,839 | 8,095 |
| Bricks ... ... ... ... ... ... ... ... ... | ..... | ..... | 780 | ..... |
| Coal, up ... ... ... ... ... ... ... ... ... | 2,84,559 | 1,08,034 | ..... | ..... |
| " down ... ... ... ... ... ... ... ... ... | 3,97,959 | 57,959 | ..... | ..... |
| Copper ... ... ... ... ... ... ... ... ... | 1,087 | 2,872 | ..... | ..... |
| Cotton ... ... ... ... ... ... ... ... ... | ..... | ..... | 32,748 | 54,112 |
| Cotton, twist ... ... ... ... ... ... ... ... ... | 2,547 | 3,527 | ..... | ..... |
| Dyewood ... ... ... ... ... ... ... ... ... | 563 | 1,067 | ..... | ..... |
| Firewood ... ... ... ... ... ... ... ... ... | ..... | ..... | 35,995 | 440 |
| Fruits ... ... ... ... ... ... ... ... ... | 3,907 | 247 | ..... | ..... |
| Ghee and oil ... ... ... ... ... ... ... ... ... | 683 | 2,522 | ..... | ..... |
| G. B. T. packages ... ... ... ... ... ... ... ... | ..... | ..... | 559 | 69 |
| Government Commissariat stores ... ... ... ... ... ... | 603 | 6,116 | ..... | ..... |
| Government Ordnance stores ... ... ... ... ... ... ... | 4,513 | ..... | ..... | 5,055 |
| Rice ... ... ... ... ... ... ... ... ... | 37,810 | ..... | ..... | 5,762 |
| Wheat ... ... ... ... ... ... ... ... ... | 6,63,719 | 3,64,281 | ..... | ..... |
| Oats ... ... ... ... ... ... ... ... ... | ..... | ..... | 1,602 | 3,399 |
| Pulses of all kinds ... ... ... ... ... ... ... ... ... | 68,910 | 14,276 | ..... | ..... |
| Other cereals ... ... ... ... ... ... ... ... ... | 85,501 | 35,476 | ..... | ..... |
| Gunny ... ... ... ... ... ... ... ... ... | 41,622 | 48,800 | ..... | ..... |
| Hides ... ... ... ... ... ... ... ... ... | 6,721 | 4,163 | ..... | ..... |
| Iron ... ... ... ... ... ... ... ... ... | 40,132 | 40,537 | ..... | ..... |
| Jaggree ... ... ... ... ... ... ... ... ... | ..... | ..... | 61,781 | 8,742 |
| Lac ... ... ... ... ... ... ... ... ... | ..... | ..... | 3,450 | 3,450 |
| Minerals ... ... ... ... ... ... ... ... ... | ..... | ..... | 12,683 | 684 |
| Opium ... ... ... ... ... ... ... ... ... | ..... | ..... | 1,975 | 569 |
| Paper ... ... ... ... ... ... ... ... ... | 333 | ..... | ..... | 850 |
| Piece-goods ... ... ... ... ... ... ... ... ... | ..... | ..... | 23,476 | 17,078 |
| Railway materials, construction account ... ... ... ... ... | 3,594 | 198 | ..... | ..... |
| " " foreign ... ... ... ... ... ... ... | ..... | ..... | 15,954 | 17,848 |
| Safflower ... ... ... ... ... ... ... ... ... | 2,667 | 980 | ..... | ..... |
| Salt ... ... ... ... ... ... ... ... ... | ..... | ..... | 85,413 | 15,080 |
| Saltpetre ... ... ... ... ... ... ... ... ... | 1,921 | ..... | ..... | 1,292 |
| Seeds ... ... ... ... ... ... ... ... ... | 53,567 | ..... | ..... | 24,198 |
| Spelter ... ... ... ... ... ... ... ... ... | 1,[illegible] | 2,248 | ..... | ..... |
| Stones ... ... ... ... ... ... ... ... ... | ..... | ..... | 4,408 | 2,424 |
| Sugar ... ... ... ... ... ... ... ... ... | ..... | ..... | 20,379 | 6,096 |
| Tea ... ... ... ... ... ... ... ... ... | 1,296 | 1,883 | ..... | ..... |
| Timber ... ... ... ... ... ... ... ... ... | ..... | ..... | 7,356 | 367 |
| Tobacco ... ... ... ... ... ... ... ... ... | 9,772 | 9,079 | ..... | ..... |
| Turmeric ... ... ... ... ... ... ... ... ... | ..... | ..... | 2,183 | 268 |
| Wines ... ... ... ... ... ... ... ... ... | ..... | ..... | 1,049 | 993 |
| Miscellaneous ... ... ... ... ... ... ... ... ... | 2,696 | ..... | ..... | 9,439 |
| Total ... | 16,82,621 | 7,84,428 | 3,15,991 | 2,04,116 |

J. C. BATCHELOR, *Traffic Manager.*

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 9th June 1877, on 1,279¾ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total Traffic Receipts. | Train Miles Run. | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | Rs. A. P. | | | |
| Total traffic for the week ... | 126,800 | 1,36,946 7 9 | 12,553 8 7 | 13,32,051 0 | 5,94,923 14 6 | 54,554 13 10 | 7,31,870 6 3 | 44,565¾ | 110,999¾ | 155,565 |
| Or per mile of railway ... ... | ..... | 107 0 2 | 9 16 2 | ..... | 464 14 0 | 42 12 3 | 571 14 2 | ..... | ..... | ..... |
| For previous 22 weeks of half-year ... ... ... | 3,022,662¾ | 44,23,810 7 4 | 405,315 19 2 | 2,94,92,506 30 | 1,24,35,181 1 3 | 1,139,891 12 0 | 1,68,58,991 8 9 | 1,650,290 | 2,323,466¾ | 3,959,756¾ |
| Total for 23 weeks ... | 3,149,462¾ | 45,60,756 15 1 | 418,869 7 9 | 3,08,24,557 30 | 1,30,29,104 15 11 | 1,194,426 5 10 | 1,75,90,861 15 0 | 1,674,855¾ | 2,434,466 | 4,109,321¾ |
| COMPARISON. | | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 137,956 | 1,41,482 8 6 | 12,969 4 8 | 10,62,030 0 | 4,70,775 0 6 | 43,134 7 7 | 6,12,257 9 0 | 43,098 | 90,211 | 133,309 |
| Per mile of railway, corresponding week of previous year ... ... ... ... | ..... | 110 8 11 | 10 2 8 | ..... | 367 13 10 | 33 14 5 | 478 6 9 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 2,971,797¾ | 45,22,675 11 6 | 414,578 12 2 | 2,46,74,156 20 | 1,02,43,604 6 3 | 938,943 1 5 | 1,47,65,680 1 9 | 1,650,240 | 1,884,505 | 2,534,745 |

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 9th June 1877, on 223¾ miles open.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | Rs. A. P. | | | |
| Total traffic for the week ... | 5,844¾ | 16,567 9 3 | 1,518 13 11 | 2,84,063 0 | 72,392 5 6 | 6,618 10 11 | 88,769 14 9 | 4,651 | 13,145¾ | 17,794¾ |
| Or per mile of railway ... | ..... | 74 0 9 | 6 15 9 | ..... | 322 11 1 | 29 11 7 | 396 11 10 | ..... | ..... | ..... |
| For previous 22 weeks of half-year ... ... ... | 157,856¼ | 5,58,136 10 9 | 51,182 10 7 | 55,13,423 20 | 13,08,241 4 3 | 119,922 2 4 | 18,66,377 15 0 | 169,983¾ | 337,603 | 447,488¾ |
| Total for 23 weeks ... ... | 163,701 | 5,74,704 4 0 | 52,681 4 6 | 55,97,486 20 | 13,80,633 9 9 | 126,540 13 3 | 19,55,147 12 9 | 174,634¾ | 350,748¾ | 465,282¾ |
| COMPARISON. | | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 5,287¾ | 12,484 15 9 | 1,144 9 1 | 1,21,396 20 | 25,327 14 3 | 2,312 11 2 | 37,712 14 6 | 4,579 | 6,517 | 10,896 |
| Per mile of railway, corresponding week of previous year ... ... ... ... | ..... | 55 12 9 | 5 2 4 | ..... | 112 12 0 | 10 6 8 | 165 8 9 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 142,110 | 4,32,615 10 9 | 39,656 8 8 | 24,55,816 20 | 5,69,546 10 6 | 52,208 8 8 | 1,00,216 3 6 | 168,440 | 156,353 | 244,812 |

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for week ended 9th June 1877, on 27¼ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... ... | 2,099 | 1,072 0 0 | 107 4 0 | 7,649 0 | 589 0 0 | 58 15 0 | 166 2 0 |
| Or per mile of railway ... ... ... | 77 | 39 0 0 | 3 15 0 | 281 0 | 21 8 0 | 2 2 0 | 6 1 0 |
| For previous 22 weeks of half-year ... | 43,431 | 23,048 0 0 | 2,304 16 0 | 1,72,691 0 | 12,583 0 0 | 1,258 6 0 | 3,563 2 0 |
| Total for 23 weeks ... ... | 50,230 | 24,120 0 0 | 2,412 0 0 | 1,80,340 0 | 13,172 0 0 | 1,317 4 0 | 3,729 4 0 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 2,034 | 991 11 11 | 99 2 6 | 3,239 20 | 245 4 0 | 24 10 7 | 133 14 1 |
| Per mile of railway, corresponding week of previous year ... ... ... | 74 | 36 6 4 | 3 12 10 | 118 22 | 12 10 8 | 1 5 4 | 4 18 2 |
| Total to corresponding date of previous year ... ... ... ... | 47,730¾ | 23,423 7 5 | 2,342 6 10 | 1,67,543 20 | 12,679 11 6 | 1,267 19 6 | 3,710 6 4 |

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended 9th June 1877, on 158½ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... ... | 33,427½ | 21,986 9 3 | 2,015 8 9 | 2,56,302 32 | 48,907 4 5 | 8,493 3 5 | 5,498 12 1 |
| Or per mile of railway ... ... ... | 211 | 138 14 11 | 12 14 9 | 1,619 24 | 309 0 10 | 53 6 7 | 41 1 4 |
| For previous 22 weeks of half-year ... | 820,396½ | 5,56,734 6 6 | 50,988 3 3 | 42,55,841 37 | 8,92,679 12 11 | 81,828 19 6 | 1,32,817 2 9 |
| Total for 23 weeks ... | 853,824 | 5,78,720 15 9 | 53,003 12 0 | 45,12,144 29 | 9,41,587 [illegible] 4 | 86,313 2 11 | 139,315 14 11 |
| **Comparison.** | | | | | | | |
| Total for corresponding week of previous year ... ... ... ... ... ... | 41,842½ | 25,968 7 8 | 2,374 18 10 | 1,07,962 14 | 21,103 1 11 | [illegible]34 9 1 | 4,309 7 11 |
| Per mile of railway, corresponding week of previous year ... ... ... ... | 264 | 163 11 6 | 15 0 2 | 682 9 | 133 5 8 | 12 4 6 | 27 [illegible] 1 |
| Total to corresponding date of previous year ... ... ... ... ... ... | 869,162 | 6,82,615 7 7 | 53,466 8 2 | 55,68,769 21 | 6,72,707 12 8 | 61,564 17 9 | 1,15,671 2 11 |

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[REGISTERED NO. 29.] No. 26 of 1877.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JUNE 27, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## PRIZE OFFERED FOR THE BEST ESSAY ON THE VICISSITUDES OF ARYAN CIVILIZATION IN INDIA.

No. 44, Public, dated India Office, London, the 26th April 1877.

To His Excellency the Right Hon'ble the Governor-General of India in Council.

MY LORD,—I forward, for the information of your Excellency in Council, copy of a letter* from the Foreign Office, with a translation of its enclosed communication,† setting forth the particulars of a prize to be awarded at the International Congress of Orientalists to be held in Florence in 1878 for the best Essay upon the vicissitudes of Aryan civilization in India.

* Dated 3rd April 1877.
† Dated at Rome, 12th January 1877.

2. Your Lordship in Council will doubtless give due publicity to this matter.

I have the honor to be,
MY LORD,
Your Lordship's most obedient, humble servant,
SALISBURY.

Dated Foreign Office, the 3rd April 1877.

From—T. V. LISTER, Esq., Under-Secretary of State for Foreign Affairs,
To—The Under-Secretary of State for India.

THE Italian Ambassador at this Court has announced to the Earl of Derby that at the meeting of the 4th International Congress of Orientalists to be held in Florence in 1878, a prize will be given of five thousand Italian Lire by the Minister of Public Instruction in Italy to the author of the best Essay upon the vicissitudes of Aryan civilization in India.

5,000.

The character of the Essay, the regulations under which competitors for the prize are to submit their Essays to the judges, and every necessary detail, will be found in the accompanying programme.

I am directed by Lord Derby to request that you will lay this paper before the Marquis of Salisbury, and that you will move His Lordship to take such steps as may appear to him best suited to give general publicity to its contents.

TRANSLATION.

*Particulars of a competition for a Prize Essay on Oriental History on the occasion of the 4th Oriental Congress about to be held in Florence.*

THE first thought of His Excellency the Professor Michele Coppino, Minister of Public Instruction, when the intention of convening in Florence the 4th International Congress of Orientalists was intimated to him, was to promote on this auspicious occasion some important work connected with oriental matters; and after having consulted the General Committee of the Congress, His Excellency has resolved to award a prize of five thousand Italian Lire to the Essay which should be adjudged to be best in the following respects:—

The subject will be—the changes of Aryan civilization in India. The Essay will be a historical and critical one on the characteristic and constituent elements of Aryan civilization from its first immigration into the Punjab, such as can be determined from the language, customs, religious creeds, manners, and will be a particularized history of that civilization in India, with an examination of the elements which have modified it in the different Indian countries.

Savants of any country are invited to compete.

Every one will be required to address his own manuscript post paid, either to "Professore Michele Amari, Senatire del Regno e Presidente del detto quarto Congresso e del Comitato ordinatore," or to the Italian Legation in any European or American State, not later than the 31st December 1877.

Each manuscript shall bear a motto (the author's name being omitted therefrom), and the same motto is to be repeated on the cover of a sheet of paper folded and sealed, which shall contain the author's name and address. This cover shall be forwarded together with the said manuscript either to the Senator Amari at Rome, or to one of the said Italian Legations.

The merit of the work will be decided by five persons, already chosen by the General Committee, from among the most eminent authorities in the culture of Aryan literature. The votes of these judges, given separately, will be taken by the General Committee, and the prize shall be awarded to that writing which has gained the votes of the majority, or of all the judges. The sealed cover containing the name of the author shall then be opened and all the others burnt.

The author of the Prize Essay shall retain the proprietary right to his own work; the other Essays will be returned to their authors on their application and at their expense. At the opening meeting of the Congress the President will announce the result of the competition and the names of the judges.

The Essay may be written in Latin, Italian, French, English, or German.

Neither members of the General Committee nor judges of the competition will be allowed to compete for the prize.

Delegates of the General Committee are begged to give as much publicity as possible to the present announcement, and to procure its insertion in the public press.

In the name of the General Committee.

M. AMARI, *President.*
A. DE GUBERNATIS, *Secretary.*

ROME, *the 12th January* 1877.

H. J. REYNOLDS,
*Offg. Secy. to the Govt. of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 23rd June 1877.*

| | No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|---|
| BENGAL. | | | | |
| | | *Western Districts.* | | |
| BURDWAN DIVS. | 1 | Burdwan, June 25*'77 | 1·39 | The rainfall at Culna has been 1·25, and at Raneegunge ·6. The rains appear to have set in. The prospects of the crops are good. |
| | 2 | Bankoora, „ 23 „ | Nil | Weather—Some showers in the east and south-east; dry elsewhere; very hot, and now looks threatening. Rain is much required where it has not fallen, and some slight damage is done to the rice seedlings. |
| | 3 | Beerbhoom, „ 23 „ | ·18 | Weather—Very hot. Rain is wanted. |
| | 4 | Midnapore, „ 23 „ | ·32 | Weather—Very close, hot, and cloudy. The cooler weather on the 23rd instant seems to indicate the fall of rain in the neighbourhood. Rain is much wanted for the rice plants, which are exceptionally forward. |
| | 5 | Hooghly, „ 23 „ | 2·22 | Weather—Oppressively hot on the 21st and 22nd instant. Heavy rain on the night of the 22nd. Early rice, jute, *sone*, and sugarcane are doing well. Late rice has germinated in places. Public health is good. Cattle disease still prevails in two villages in thana Bullagur. |
| | | Howrah, „ 23 „ | 2·04 | Rains have regularly set in. The rain which has fallen during the week will greatly facilitate ploughing and sowing, which are now going on. |
| | | *Central Districts.* | | |
| PRESIDENCY DIVS. | 6 | 24-Pergunnahs, June 25 †'77 | 2·42 | Weather—Very warm and close, with rain at intervals. The rain has done much good to cultivation, and the young plants are doing well. Public health is generally good. |
| | 7 | Nuddea, „ 23 „ | 1·34 | Weather—Sultry. A little rain has fallen towards the end of the week. More is wanted. The rice crops are in good condition and promise well. Cholera is reported from the Meherpore sub-division. |
| | 8 | Jessore, „ 23 „ | ·87 | Weather—Hot and steamy, but very little rain until 23rd instant. Rice and indigo have both been suffering from the want of rain. The monsoon seems to have broken on the 22nd, and the rain which was falling at intervals on the 23rd will do good. |
| | 9 | Moorshedabad, „ 23 „ | ·55 | Weather—Very hot and close. The prospects of the crops are fair, but a good fall of rain is beginning to be much wanted. There is cholera still in parts of the district. |
| RAJSHAHYE AND COOCH BEHAR DIVS. | 10 | Dinagepore, „ 22 „ | ·09 | Weather—Intense heat; clouds about, but little or no rain. 1·36 inches registered at Roygunge. State and prospects of the crops are very good. *Bhadoi* rice, *koshta* (jute), and sugarcane are looking particularly well. Rain would be welcome. No mangoes this year. Much sickness is caused by heat. |
| | 11 | Rajshahye, „ 23 „ | 1·55 | There was no rain during the first five days of the week. The weather was intensely hot, and the young autumn rice plants were beginning to get scorched. On Friday the regular rainy season seems to have set in. Since that day there has been almost continuous rain. The break of hot rainless weather before Friday was favourable for the rice sowings in low lying lands which had not previously been sown, and also for the completion of the sessamum and spring rice harvests, which have yielded almost an average crop. |
| | 12 | Rungpore, „ 22 „ | ·66 | Weather extremely warm and sultry, there being very little variation between the day and night temperature. ·74 of an inch of rain registered at Kurigram and ·33 of an inch at Gaibanda. The crops are all progressing very favourably. The cessation of the rains has given opportunity for sowing *amus* paddy in low and swampy lands. Jute which ran some risk on account of the heavy rains is improving. A good deal of the *aous* crop (*bittri dhan*) is being cut, with a good outturn. Public health on the whole is good. Some small-pox, but not of a fatal type, is prevalent in the south of the district. |
| | 13 | Bogra „ 23 „ | 1·07 | Weather—Clear and very hot for the greater part of the week; rainy towards the end. The state of the crops is much the same as before, except that rain is wanted for the growth of both *aous* and *amus* plants. |
| | 14 | Pubna, „ 23 „ | ·45 | Weather—Hot and dry. Rain fell on the 22nd instant at midday. State and prospects of the crops are favourable. Indigo manufacture has commenced. The cutting of *boro dhan* is nearly finished. |

* Telegram of the 25th June shows rainfall during the seven days immediately preceding.

† Report of the 25th June shows rainfall during the seven days immediately preceding.

| No. | District, and date of return. | | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|---|
| BENGAL.—(*Continued.*) | | | | |
| | *Central Districts.* | | | |
| RAJSHAHYE AND COOCH BEHAR DIVS. 15 | Darjeeling, | June 23 '77 | 2·22 | Weather—Frequent but light rain, which has been good for the crops. The rice crops are doing well throughout the district. The Indian corn is in ear, and the millets *kagonee* and buck-wheat have ripened. |
| 16 | Julpigoree, | „ 23 „ | 10·23 | Weather—Rainy, with very sultry days intervening. The prospects of the *bhadoi* and jute crops are good all over the district. Sowings of cotton in pergunnah Kyronti are nearly completed. Transplantation of *haimunti* paddy has commenced in some parts of the district. |
| | Cooch Behar, | „ 21 „ | 2·00 | Weather—Very hot. The rains seem curiously local. The sub-divisions of Mathabhanga and Dinhatta, lying north and south, have had heavy rain, with 6·54 inches and 8·03 inches respectively; while Mekligunge to the west and the Sudder to the east of them have had a very moderate quantity, with 1·78 inches and 2·00 inches respectively. Prices of *dhan* rose slightly in Mekligunge, and it seems more rain is wanted there. From every quarter reports are prosperous, but rain is needed now for transplanting *amun dhan*. The public health continues good. |
| | *Eastern Districts.* | | | |
| DACCA DIVS. 17 | Dacca, | June 25*'77 | 8·54 | Weather—Rain since Wednesday. State and prospects of the crops are favourable. |
| 18 | Furreedpore, | „ 23 „ | 4·54 | Weather—Very sultry during the greater part of the week. Heavy rain which fell on Friday and Saturday has cooled the air. 1·60 inches registered at Goalundo and ·48 of an inch registered at Madareepore. The prospects of the crops are good. The interval of dry weather has given an opportunity for weeding, which was needed. The reaping of the *aous* crop (*bittri dhan*) has begun in Goalundo. |
| 19 | Backergunge, | „ 21 „ | ·14 | Weather—The week has been the hottest week of the year, with an almost uninterrupted sunshine. There has been a deficiency in the rainfall during the last fortnight The general prospects of the crops are good, but rain is much wanted. In Dakhin Shabazpore the prospects of the *aous* crop are very good. The cattle continue healthy, except in one thana. Sporadic cases of cholera and fever still occur in almost every thana. |
| 20 | Mymensingh, | „ 22 „ | ·5 | Weather—Unseasonably sultry. The prospects are fair, but the crops require rain. |
| 21 | Tipperah, | „ 22 „ | 2·15 | Weather—Hot and oppressive, with occasional heavy showers. ·03 of an inch registered at Brahmunbariah. The drier weather has been favourable to all classes of rice crops. |
| CHITTAGONG DIVS. 22 | Chittagong, | „ 21 „ | 1·51 | Weather—Hot; occasionally cloudy, with passing showers. The prospects of *aous* rice continue favourable, but more rain is wanted in Futtickcherry. Insects are reported to have appeared in Parki and Anwara. Fever is very prevalent. |
| 23 | Noakholly | ... ... | ..... | Return not received. |
| 24 | Chittagong Hill Tracts, | „ 19 „ | 1·48 | Weather—Unseasonably hot. More rain is wanted. The prospects of the *joom* crops are good up to date. |
| | Hill Tipperah, | „ 20 „ | 1·14 | Weather—Dry and very close. The late rice seedlings are doing well, and land is being prepared for transplantation. All other crops look well. |
| BEHAR. | | | | |
| PATNA DIVS. 25 | Patna, | June 25*'77 | Nil | Weather—Extremely hot. Land is being prepared for the *bhadoi* and *kharcef* crops. Health is generally good. |
| 26 | Gya, | „ 23 „ | ·22 | Weather—Clear and very hot. The thermometer in the shade reached 109° during the year. No rain reported from the sub-divisions. Sowings are retarded for want of rain. Young rice plantations suffer too. Public health continues good. |
| 27 | Shahabad, | „ 23 „ | ·02 | Weather—Very hot, with easterly wind. *Cheena* and sugarcane are in good condition. Rain is wanted, but the canals which re-open at the end of this month will afford considerable relief. Cholera continues in Sasseram. |
| 28 | Durbhunga, | „ 23 „ | Nil | There has been some rain in the north, but generally the weather has been dry and extremely hot. Rain is much wanted both for indigo and cereals, the growth of which is retarded by drought, but with rain within the next week the prospects would be satisfactory. Indigo manufacture has commenced in some factories in the south. Sporadic cholera is still prevalent. |
| 29 | Mozufferpore, | „ 23 „ | Nil | Weather—Very hot. In some parts of the Seetamurhee sub-division the rainfall during the week was 1·21. In the Hajeepore sub-division there was no rain, and it is much wanted in the Mozufferpore sub-division also. Public health is good. |

* Telegrams of the 25th June show rainfall during the seven days immediately preceding.

| No. | District, and date of return. | Rainfall at Sudder Station in inches. | Character of the weather, state and prospects of the crops, and state of health at date. |
|---|---|---|---|
| BEHAR.—(*Continued.*) | | | |
| PATNA DIVN. | | | |
| 30 | Sarun, June 23 '77 | Nil | Weather—Excessively hot, the thermometer having been over 100° in the shade during the week. West winds have been blowing. A heavy storm seems to be imminent. ·07 of rain registered at Sewan. The intensely hot and dry weather is threatening the indigo crop, which is getting burnt up to some extent. Heavy rain is wanted soon. Plenty has fallen during the year, but the excessive dryness of the heat is quite unusual at this time of year. |
| 31 | Chumparun, „ 23 „ | Nil | Weather—East winds blowing with great heat. The want of rain is beginning to be felt, and if it exists much longer, the consequences will be serious. |
| BHAGULPORE DIVN. | | | |
| 32 | Monghyr, „ 23 „ | ·24 | Weather—Intensely hot, the thermometer registering 130° in the sun. Rain is threatening, but is holding off. The crops will do very well if there be rain within a few days. |
| 33 | Bhagulpore, „ 25* „ | 1·02 | Weather—Very sultry. The crops, especially rice, want rain. Health is good. |
| 34 | Purneah, „ 23 „ | Nil | Weather—Hot. 1·35 of rain registered at Kissengunge, and 1·20 at Arrareah. The rain in the south of the district still keeps off. It is much wanted for the crops. Fever is very prevalent. |
| 35 | Maldah, „ 23 „ | ·5 | Weather—Intensely hot, with occasional light showers. State and prospects of the crops continue to be satisfactory, but more rain is now wanted. Cholera has quite disappeared. |
| 36 | Sonthal Perghs. „ 24 „ | Nil | Weather—Oppressively hot and hazy till 23rd instant, when a cool breeze set in from the north, the horizon cleared, black clouds gathered overhead, and on the morning of the 24th a little rain fell. ·75 of an inch is registered at Godda. The rains are ten days later than usual. Considerable loss will follow if the present change of weather does not bring rain immediately. Rice and maize just come up are withering. |
| ORISSA. | | | |
| ORISSA DIVN. | | | |
| 37 | Cuttack, June 23 '77 | 1·46 | Weather—Hot and cloudy. Rain in the beginning of the week. The weeding of *beali* rice has commenced. The sowing of *sarad* rice is almost finished, and the plants are coming on well. The cotton harvest continues. Public health is good. |
| 38 | Pooree, „ 21 „ | ·19 | Weather—Hot and cloudy. The sowing of *sarad* rice is still going on. More rain is required. Miscellaneous crops are fair. Public health is good. |
| 39 | Balasore, „ 22 „ | ·50 | Weather—Seasonable. The young rice crop is in good condition. Public health is good. |
| CHOTA NAGPORE. | | | |
| | *South-West Frontier Agency.* | | |
| 40 | Hazareebagh, June 22 '77 | ·83 | Weather—Unseasonably hot. The rains still put off. No change as yet to report about the crops. A small flight of locusts appeared on the morning of the 19th instant, but did no damage. General health is good. |
| 41 | Lohardugga, „ 23 „ | ·05 | Weather—Unseasonable. Rain is wanted. There is small-pox in several places in Palamow. |
| 42 | Singbhoom, „ 22 „ | 1·95 | Weather—Seasonable. The last two days were cloudy and oppressive. About twelve annas of the paddy sowing have been now completed, and the young plants are coming on well. *Goondli* and other grasses, Indian corn, and *bhadoi til* have sprouted well. The weather has so far been favourable, but rain is wanted. |
| 43 | Manbhoom, „ 23 „ | ·37 | Weather—Hot and unseasonable. Rain is much wanted. The crops are good where rain has fallen. Throughout the Pachete pergunnahs rain has not fallen, and the seedling rice is said to be parched and in part lost. The ryots might have easily saved it in most cases by hand-watering. They will have now to sow it afresh with the chance of a late crop, the success of which will depend upon the continuance of the rainy season. |

* Telegram of the 25th June shows rainfall during the seven days immediately preceding.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,
*The 26th June 1877.*

H. J. S. COTTON,
*Jr. Secy. to the Govt. of Bengal.*

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

| Divisions. | Districts. | Stations. | Rain from 3rd to 9th June 1877. | Rain from 10th to 16th June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| BENGAL. | | | Inches. | Inches. | Inches. | 1877. | |
| | Western Districts. | | | | | | |
| Burdwan | Burdwan ... ... | Burdwan ... ... | 2·30 | 0·12 | 13·28 | 16th June | |
| | | Cutwa ... ... | 7·88 | Nil | 19·43 | ditto | |
| | | Culna ... ... | 2·97 | 1·25 | 13·29 | ditto | |
| | | Bood-Bood ... ... | 2·06 | Nil | 8·47 | ditto | |
| | | Raneegunge ... ... | 0·53 | 1·58 | 8·80 | ditto | |
| | | Jehanabad ... ... | 5·28 | 0·18 | 19·82 | ditto | |
| | Bankoora ... ... | Bankoora ... ... | 2·84 | 0·05 | 11·20 | ditto | |
| | Beerbhoom ... ... | Sooree ... ... | 2·44 | 0·01 | 10·71 | ditto | |
| | | Hetampore ... ... | 3·03 | Nil | 12·90 | ditto | |
| | | Royporé ... ... | 4·10 | 0·04 | 11·70 | ditto | |
| | Midnapore ... ... | Midnapore ... ... | 3·62 | 0·71 | 18·56 | ditto | |
| | | Tumlook ... ... | 1·54 | Nil | 12·88 | ditto | |
| | | Ghattal ... ... | 2·89 | Nil | 16·69 | ditto | |
| | | Contai { Dy. Collr.'s Office... | 2·63 | 0·51 | 16·24 | ditto | |
| | | Contai { Exe. Engr.'s Office | 2·38 | 0·30 | 17·02 | ditto | |
| | Hooghly ... ... | Hooghly ... ... | 5·31 | 0·61 | 17·84 | ditto | |
| | | Serampore ... ... | 2·47 | 0·17 | 16·08 | ditto | |
| | Howrah ... ... | Howrah ... ... | 1·18 | 0·19 | 17·04 | ditto | |
| | | Maheshrekha ... ... | 2·24 | Nil | 17·13 | ditto | |
| | Central Districts. | | | | | | |
| Presidency | 24-Pergunnahs ... | Saugor Island ... ... | 4·60 | 1·50 | 20·04 | ditto | |
| | | Calcutta ... ... | 1·75 | 0·50 | 16·17 | ditto | |
| | | Alipore { Dispensary ... | 2·12 | 0·39 | 17·40 | ditto | |
| | | Alipore { Jail ... ... | 2·15 | 0·16 | 17·18 | ditto | |
| | | Busserhat ... ... | 3·19 | 1·52 | 17·68 | ditto | |
| | | Baraset ... ... | 1·02 | 0·59 | 14·33 | ditto | |
| | | Diamond Harbour ... | 0·55 | 0·87 | 20·27 | ditto | |
| | | Barripore ... ... | 1·73 | 0·32 | 18·33 | ditto | |
| | | Satkhira ... ... | 2·57 | 1·47 | 27·64 | ditto | |
| | | Bafrackpore ... ... | 2·80 | 0·35 | 16·74 | ditto | |
| | | Dum-Dum ... ... | 0·61 | 0·10 | 13·14 | ditto | |
| | Nuddea ... ... | Kishnaghur ... ... | 4·06 | Nil | 19·61 | ditto | |
| | | Bongong ... ... | 1·92 | 0·83 | 14·80 | ditto | |
| | | Meherpore ... ... | 3·68 | 2·72 | 21·03 | ditto | |
| | | Chooadanga ... ... | 2·27 | 2·46 | 23·47 | ditto | |
| | | Kooshtea ... ... | 3·14 | 3·03 | 23·16 | ditto | |
| | | Ranaghat ... ... | 3·52 | Nil | 16·21 | ditto | |
| | Jessore ... ... | Jessore ... ... | 3·59 | 0·38 | 22·26 | ditto | |
| | | Narail ... ... | 2·48 | 0·15 | 16·94 | ditto | |
| | | Khoolna ... ... | 2·43 | 0·87 | 25·57 | ditto | |
| | | Jhenida ... ... | 4·54 | 0·92 | 21·40 | ditto | |
| | | Bagirhat ... ... | 4·75 | 1·10 | 33·24 | ditto | |
| | | Magoorah ... ... | 3·58 | 0·55 | 24·63 | ditto | |
| | Moorshedabad ... | Berhampore ... ... | 2·74 | Not recd. | 12·85 | 9th June | |
| | | Rampore Haut ... ... | 2·37 | ditto | 12·62 | ditto | |
| | | Lalibagh ... ... | 1·78 | ditto | 13·04 | ditto | |
| | | Jungypore ... ... | 2·26 | ditto | 12·18 | ditto | |
| | | Azimgunge ... ... | 1·22 | Nil | 12·28 | 16th June | |
| | | Lalgolla ... ... | 1·14 | Not recd. | 12·17 | 9th June | |
| | | Kandee ... ... | 2·26 | 0·71 | 12·87 | 16th June | |
| Rajshahye | Dinagepore ... ... | Dinagepore ... ... | 2·46 | 2·06 | 21·68 | ditto | |
| | | Raigunge ... ... | 1·65 | 2·50 | 20·52 | ditto | |
| | Maldah ... ... | Maldah ... ... | 1·29 | 2·54 | 16·39 | ditto | |
| | | Chanchal ... ... | 1·14 | 0·74 | 16·12 | ditto | |
| | Rajshahye ... ... | Baulesh ... ... | 5·22 | 0·36 | 19·86 | ditto | |
| | | Nattore ... ... | 6·87 | 2·92 | 19·61 | ditto | |
| | Rungpore ... ... | Rungpore ... ... | 1·49 | 3·08 | 30·55 | ditto | |
| | | Bhowanigunge ... ... | 3·43 | 1·88 | 17·34 | ditto | |
| | | Kurigram ... ... | 4·79 | 1·08 | 29·99 | ditto | |
| | | Bagdogra ... ... | Not recorded. | | 24·08 | 2nd June | |
| | Bogra ... ... | Bogra ... ... | 4·24 | 2·13 | 18·12 | 16th June | |
| | | Sherpore ... ... | 4·27 | 2·02 | 19·19 | ditto | |
| | | Nowkhilla ... ... | 3·60 | 3·95 | 15·56 | ditto | |
| | | Panchbibi ... ... | 3·55 | 0·89 | 14·24 | ditto | |
| | | Halulya ... ... | 1·62 | 3·42 | 13·65 | ditto | |
| | Pubna ... ... | Pubna ... ... | 5·08 | 2·16 | 25·27 | ditto | |
| | | Serajgunge ... ... | 6·00 | 1·40 | 17·96 | ditto | |
| Cooch Behar | Darjeeling ... ... | Darjeeling { Telegraph Office | 2·81 | 0·85 | 22·37 | ditto | |
| | | Darjeeling { Hospital ... | 3·99 | 1·48 | 27·15 | ditto | |
| | Julpigoree ... ... | Julpigoree ... ... | 3·57 | 3·99 | 27·03 | ditto | |
| | | Bodah ... ... | Not received. | | 20·08 | 2nd June | |
| | | Buxa—Civil Surgeon's Office | 7·30 | 23·50 | 60·96 | 16th June | |
| | | Tisalya ... ... | 3·47 | 3·24 | 28·22 | ditto | |
| | Cooch Behar Tributary States. | Cooch Behar ... ... | 1·03 | 4·47 | 37·36 | ditto | |

| Divisions. | Districts. | Stations. | Rain from 3rd to 9th June 1877. | Rain from 10th to 16th June 1877. | Rain from 1st January 1877. | | Remarks. |
|---|---|---|---|---|---|---|---|
| | | | | | Inches. | Up to date. | |
| BENGAL—(*Continued*). | | | | | | | |
| Eastern Districts. | | | Inches. | Inches. | Inches. | 1877. | |
| Dacca. | Dacca ... | Dacca... Telegraph Office... | 6·98 | Not recd. | 22·38 | 9th June | |
| | | Dacca... Hospital ... | 4·20 | 3·97 | 29·33 | 16th June | |
| | | Moonsheegunge ... ... | 9·18 | 11·93 | 57·25 | ditto | |
| | | Manickgunge ... ... | 1·93 | 4·65 | 23·05 | ditto | |
| | Furreedpore ... ... | Furreedpore ... ... | 5·66 | 3·57 | 26·52 | ditto | |
| | | Goalundo ... ... | 3·61 | 3·02 | 20·96 | ditto | |
| | | Madaripore ... ... | 1·55 | 3·21 | 24·45 | ditto | |
| | Backergunge ... | Burrisal ... ... | 1·59 | 2·95 | 35·56 | ditto | |
| | | Perozepore ... ... | 4·05 | 1·70 | 25·99 | ditto | |
| | | Patooakhally ... ... | 8·21 | 2·15 | 34·55 | ditto | |
| | | Bhola ... ... | 3·39 | 4·39 | 22·85 | ditto ... | From 4th February. |
| | Mymensingh ... | Mymensingh ... ... | 4·31 | 4·79 | 28·65 | ditto | |
| | | Jamalpore ... ... | 5·48 | 1·89 | 21·75 | ditto | |
| | | Atia ... ... | 5·08 | 5·29 | 26·66 | ditto | |
| | | Kishoregunge ... ... | 6·93 | 0·47 | 31·77 | ditto | |
| Chittagong. | Chittagong ... ... | Chittagong Telegraph Office | 6·50 | 2·00 | 24·20 | ditto | |
| | | Chittagong Jail ... | 6·58 | 1·30 | 22·77 | ditto | |
| | | Cox's Bazar ... ... | 5·77 | 0·78 | 22·91 | ditto | |
| | Noakholly ... ... | Noakholly ... ... | 4·74 | 1·61 | 22·91 | ditto | |
| | | Fenny ... ... | 14·06 | 2·09 | 33·96 | ditto | |
| | Tipperah ... ... | Comillah ... ... | 6·02 | 1·09 | 34·06 | ditto | |
| | | Brahmunbariah ... ... | 5·74 | 1·88 | 36·01 | ditto | |
| | Chittagong Hill Tracts | Rungamatee Hill ... | 5·14 | 0·35 | 24·79 | ditto | |
| | Hill Tipperah ... ... | Hill Tipperah ... ... | 2·57 | 1·57 | 34·21 | ditto | |
| BEHAR. | | | | | | | |
| Patna. | Patna ... ... | Patna ... ... | 0·38 | 0·06 | 9·00 | ditto | |
| | | Behar ... ... | Nil | 0·37 | 13·52 | ditto | |
| | | Barh ... ... | 0·52 | Nil | 12·37 | ditto | |
| | | Dinapore ... Jail ... | Not received. | | 4·99 | 25th May | |
| | | Dinapore ... Cantonment... | 0·47 | Nil | 4·68 | 16th June | |
| | Gya ... ... | Gya ... ... | Nil | 0·21 | 15·51 | ditto | |
| | | Nowadah ... ... | ditto | Nil | 14·07 | ditto ... | Not recorded 18th to 24th Feb. |
| | | Aurungabad ... ... | 1·62 | ditto | 12·99 | ditto ... | Ditto 12th Jan. and 4th to 10th February. |
| | | Jehanabad ... ... | 0·14 | ditto | 11·03 | ditto | |
| | Shahabad ... ... | Arrah ... ... | 0·87 | ditto | 11·03 | ditto | |
| | | Sasseram ... ... | 0·80 | ditto | 8·83 | ditto | |
| | | Buxar ... ... | 0·23 | ditto | 7·87 | ditto | |
| | | Bhuboosh ... ... | Nil | ditto | 5·91 | ditto | |
| | Mozufferpore... ... | Mozufferpore ... ... | 0·18 | ditto | 6·88 | ditto | |
| | | Hajeepore ... ... | 0·76 | ditto | 7·35 | ditto | |
| | | Seetamurhee ... ... | Nil | 0·77 | 8·41 | ditto | |
| | Durbhunga ... ... | Durbhunga ... ... | 0·49 | 1·58 | 9·48 | ditto | |
| | | Mudhoobunnee ... ... | Not recd. | 0·16 | 8·14 | ditto ... | Not recd. 3rd to 9th June. |
| | | Tajpore ... ... | Nil | Nil | 6·59 | ditto | |
| | Sarun ... ... | Chupra ... ... | 2·39 | ditto | 8·39 | ditto | |
| | | Sewan ... ... | 3·66 | 0·85 | 11·46 | ditto | |
| | Chumparun ... ... | Motiharee ... ... | 0·53 | Nil | 8·84 | ditto | |
| | | Bettiah ... ... | 2·99 | 0·52 | 14·11 | ditto | |
| | | Segowlie ... ... | 0·97 | 0·37 | 12·44 | ditto | |
| Bhagulpore. | Monghyr ... ... | Monghyr ... ... | 0·09 | Not recd. | 10·02 | 9th June | |
| | | Begooserai ... ... | 0·47 | ditto | 7·89 | ditto ... | Not recd. 6th to 12th May. |
| | | Jamooee ... ... | 0·55 | ditto | 11·47 | ditto | |
| | Bhagulpore ... ... | Bhagulpore ... ... | 0·09 | 0·16 | 12·92 | 16th June | |
| | | Soopool ... ... | Nil | Nil | 9·32 | ditto | |
| | | Muddehpoora ... ... | 1·05 | ditto | 10·29 | ditto | |
| | | Banka ... ... | 1·26 | 0·90 | 10·10 | ditto | |
| | | Sonbursa ... ... | 1·17 | Nil | 8·84 | ditto | |
| | Purneah ... ... | Purneah ... ... | 0·45 | 0·53 | 14·62 | ditto | |
| | | Kissengunge ... ... | 4·54 | 0·25 | 17·39 | ditto | |
| | | Arrareah ... ... | 1·90 | Nil | 14·68 | ditto | |
| | Sonthal Pergunnahs | Nya Doomka ... ... | 4·14 | 0·61 | 15·60 | ditto | |
| | | Rajmahal ... ... | Not recd. | Nil | 12·90 | ditto ... | Not recd. 3rd to 9th June. |
| | | Deoghur ... ... | 1·87 | Not recd. | 13·88 | 9th June | Ditto 27th May to 2nd June. |
| | | Godda ... ... | Not recd. | 0·34 | 7·61 | 16th June | Ditto 3rd to 9th June. |

| Divisions. | Districts. | Stations. | Rain from 3rd to 9th June 1877. | Rain from 10th to 16th June 1877. | Rain from 1st January 1877. Inches. | Rain from 1st January 1877. Up to date. | Remarks. |
|---|---|---|---|---|---|---|---|
| ORISSA. | | | Inches. | Inches. | Inches. | 1877. | |
| Orissa. | Cuttack ... ... | Cuttack ... Telegraph Office | 2·10 | 0·10 | 13·90 | 16th June | |
| | | Cuttack ... Hospital ... | 1·88 | 0·10 | 14·23 | ditto | |
| | | Jaipore ... ... | 2·70 | Nil | 21·20 | ditto | |
| | | Kendraparah ... ... | 1·80 | ditto | 16·30 | ditto | |
| | | Jagatsingpore ... ... | 1·40 | ditto | 9·35 | ditto | |
| | | False Point ... ... | 0·70 | ditto | 35·70 | ditto | |
| | Pooree ... ... | Pooree ... ... | 1·14 | 0·54 | 10·91 | ditto | |
| | | Khurdah ... ... | 1·79 | Nil | 14·36 | ditto | |
| | Balasore ... ... | Balasore... Exe. Engr.'s Office | 1·02 | ditto | 12·31 | ditto | |
| | | Balasore... Collector's Office | 1·57 | 0·22 | 13·85 | ditto | |
| | | Bhadrack ... ... | 0·25 | 0·23 | 21·31 | ditto | |
| | | Jellasore ... ... | 5·73 | Nil | 19·89 | ditto | |
| | | Sorah ... ... | 1·28 | 0·55 | 17·13 | ditto | |
| | | Chandbally ... ... | 0·61 | Nil | 17·49 | ditto | |
| | Cuttack Tributary Mehals | Sumbalpore ... ... | 1·40 | 0·90 | 10·40 | ditto | |
| | CHOTA NAGPORE. | | | | | | |
| | South-Western Frontier Agency. | | | | | | |
| | Hazareebagh ... | Hazareebagh... Jail ... | 2·30 | 0·02 | 11·10 | ditto | |
| | | Hazareebagh... Dispensary | 1·27 | 0·24 | 13·25 | ditto | |
| | | Pachamba ... ... | 0·32 | 0·12 | 10·32 | ditto | |
| | Lohardugga ... ... | Ranchee ... ... | 1·96 | 0·43 | 16·53 | ditto | |
| | | Palamow ... ... | 1·45 | Nil | 14·52 | ditto | |
| | Singbhoom ... ... | Chyebassa ... ... | 2·95 | 0·11 | 17·74 | ditto | |
| | Manbhoom ... ... | Purulia ... ... | 2·55 | 0·25 | 16·70 | ditto | |
| | | Govindpore ... ... | 0·85 | 0·06 | 9·75 | ditto | |
| | ASSAM & ADJACENT HILLS. | | | | | | |
| | Sylhet ... ... | Sylhet ... ... | 14·40 | 7·71 | 51·94 | ditto | |
| | Sibsagar ... ... | Sibsagar ... ... | 2·13 | Not recd. | 29·75 | 9th June | |
| | | Golaghat ... ... | 3·33 | ditto | 28·36 | ditto | |
| | | Jorhat ... ... | 2·08 | ditto | 25·76 | ditto | |
| | | Deopanie ... ... | 2·67 | ditto | 28·25 | ditto | |
| | | Hattie Pootie ... ... | 1·98 | ditto | 28·98 | ditto | |
| | | Mazengah ... ... | 1·62 | ditto | 24·08 | ditto | |
| | | Nazira ... ... | 1·55 | ditto | 23·42 | ditto | |
| | | Suntock ... ... | 4·09 | ditto | 29·15 | ditto | |
| | | Cherideo ... ... | 0·91 | ditto | 29·26 | ditto | |
| | | Akyab ... ... | 10·21 | 6·40 | 20·80 | 16th June | |
| | Rajpootana ... | Alwar ... ... | Not recorded. | | Nil | 26th May | |
| | | Jaipur ... ... | 0·12 | Nil | 3·61 | 16th June | |
| | | Sambhar ... ... | Nil | ditto | 1·92 | ditto | |

CALCUTTA,
*The 23rd June 1877.*

JOHN ELIOT, M. A.,
*Meteorological Reporter to the Govt. of Bengal.*

## Meteorological Telegraphic Report for the period 17th to 23rd June 1877.

| Stations. | Date. | Hour. | Barometer reduced to 32°. | Barometer reduced to sea-level. | Hygrometer. Dry. | Hygrometer. Wet. | Humidity Sat.=100. | Wind. Direction. | Wind. Velocity. | Rain. | Clouds. | Weather initials. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcutta. | June 17th | 10 | 29·678 | 29·696 | 91·8 | 81·7 | 64 | S | ..... | ..... | CK, K | |
| | | 16 | 29·562 | 29·580 | 92·7 | 83·2 | 66 | S S W | ..... | ..... | K | |
| | 18th | 10 | 29·637 | 29·655 | 90·8 | 81·9 | 67 | E S E | 5·3 | ..... | K | |
| | | 16 | 29·533 | 29·551 | 87·6 | 81·2 | 74 | S S W | 5·8 | ..... | ..... | o |
| | 19th | 10 | 29·609 | 29·627 | 90·6 | 81·7 | 67 | E | 6·0 | ..... | K | |
| | | 16 | 29·515 | 29·533 | 88·3 | 81·7 | 75 | S | 6·5 | ..... | ..... | o |
| | 20th | 10 | 29·577 | 29·595 | 91·3 | 82·5 | 68 | S by E | 3·5 | ..... | K | |
| | | 16 | 29·477 | 29·495 | 96·3 | 84·2 | 59 | S S W | 5·5 | ..... | K, K | |
| | 21st | 10 | 29·503 | 29·521 | 91·0 | 84·7 | 76 | S W | 3·0 | 0·14 | CK, CS | |
| | | 16 | 29·407 | 29·425 | 96·3 | 84·4 | 59 | S W | 3·3 | ..... | S | |
| | 22nd | 10 | 29·489 | 29·508 | 84·8 | 80·7 | 83 | S by W | 3·8 | ..... | ..... | o |
| | | 16 | 29·438 | 29·456 | 88·3 | 83·7 | 82 | S W by S | 3·7 | ..... | ..... | o |
| | 23rd | 10 | 29·541 | 29·560 | 78·0 | 76·7 | 94 | S | 6·0 | ..... | ..... | o, d |
| | | 16 | 29·432 | 29·451 | 83·0 | 80·2 | 88 | S W | 3·7 | 1·05 | ..... | o |
| Saugor Island. | June 17th | 10 | 29·671 | 29·677 | 89 | 83 | 77 | S S E | 11·9 | ..... | PK | b, m |
| | | 16 | 29·572 | 29·578 | 90 | 83 | 73 | S S E | 12·7 | ..... | FK | b, m |
| | 18th | 10 | 29·641 | 29·647 | 89 | 83 | 77 | S S E | 9·6 | 0·10 | FK, P | b |
| | | 16 | 29·523 | 29·529 | 90 | 81 | 66 | S E | 10·7 | ..... | KS | b, o |
| | 19th | 10 | 29·605 | 29·611 | 90 | 83 | 73 | S S W | 5·5 | ..... | P | b, o |
| | | 16 | 29·516 | 29·522 | 87 | 85 | 92 | E | 4·6 | 0·40 | KS, P | b |
| | 20th | 10 | 29·572 | 29·578 | 90 | 83 | 73 | S S W | 4·2 | ..... | FK | b, o |
| | | 16 | 29·501 | 29·507 | 90 | 83 | 73 | S | 11·2 | ..... | PC | o |
| | 21st | 10 | 29·486 | 29·502 | 91 | 87 | 84 | S S W | 6·8 | ..... | PC | o |
| | | 16 | 29·425 | 29·431 | 90 | 85 | 81 | S S W | 14·4 | ..... | PK | o, m |
| | 22nd | 10 | 29·515 | 29·521 | 84 | 83 | 80 | S W | 25·7 | ..... | P | o, g, m |
| | | 16 | 29·445 | 29·451 | 89 | 85 | 84 | S S W | 17·7 | ..... | P | m, g, m |
| | 23rd | 10 | 29·540 | 29·546 | 83 | 80 | 87 | E N E | 14·3 | ..... | P | o, g, m |
| | | 16 | 29·435 | 29·441 | 90 | 85 | 81 | W S W | 6·3 | ..... | P | o, m |
| Chittagong. | June 17th | 10 | Not recorded. | | | | | | | | | |
| | | 16 | 29·555 | 29·649 | 85 | 80 | 79 | S W | 7·4 | ..... | PK | g |
| | 18th | 10 | 29·603 | 29·594 | 90 | 81 | 66 | S S E | 5·7 | ..... | K | b, v |
| | | 16 | 29·504 | 29·595 | 88 | 80 | 69 | W | 4·6 | ..... | PC | o |
| | 19th | 10 | 29·541 | 29·632 | 89 | 81 | 69 | calm. | 4·6 | ..... | K | b, v |
| | | 16 | 29·403 | 29·499 | 91 | 81 | 63 | W N W | 4·2 | ..... | CK | b, m |
| | 20th | 10 | 29·489 | 29·581 | 86 | 81 | 80 | N | 4·0 | 0·70 | PC, K | o |
| | | 16 | 29·378 | 29·469 | 92 | 84 | 70 | W N W | 2·6 | ..... | PC, K | o |
| | 21st | 10 | 29·432 | 29·524 | 86 | 81 | 80 | W N W | 4·0 | 0·60 | PK | g |
| | | 16 | 29·331 | 29·422 | 90 | 84 | 77 | W | 4·3 | ..... | PK | g |
| | 22nd | 10 | 29·457 | 29·550 | 82 | 79 | 87 | W | 6·8 | 3·50 | PK | g |
| | | 16 | 29·449 | 29·541 | 82 | 77 | 79 | S W | 13·4 | 0·30 | PK | g |
| | 23rd | 10 | 29·497 | 29·590 | 83 | 79 | 83 | S S E | 8·4 | 1·20 | PK | o |
| | | 16 | 29·394 | 29·486 | 84 | 80 | 83 | S E | 6·7 | 1·30 | PK | g |
| Madras. | June 16th | 10 | 29·925 | 29·947 | 91 | 76 | 48 | W S W | 16 | ..... | ..... | c |
| | | 16 | 29·701 | 29·723 | 99 | 78 | 36 | W S W | 9 | ..... | ..... | c |
| | 17th | 10 | 29·782 | 29·804 | 91 | 76 | 48 | W by N | 16 | ..... | ..... | c |
| | | 16 | 29·724 | 29·746 | 87 | 79 | 69 | S E by E | 9 | ..... | ..... | cloudy. |
| | 18th | 10 | 29·825 | 29·847 | 99 | 74 | 44 | W by N | 16 | ..... | ..... | c |
| | | 16 | 29·747 | 29·769 | 99 | 78 | 56 | E | 8 | ..... | ..... | o |
| | 19th | 10 | 29·836 | 29·858 | 91 | 74 | 42 | W by S | 10 | ..... | ..... | c |
| | | 16 | 29·748 | 29·771 | 81 | 75 | 74 | N W | 8 | 0·11 | ..... | cloudy. |
| | 20th | 10 | 29·821 | 29·843 | 89 | 77 | 56 | S W by S | 12 | 0·14 | ..... | c |
| | | 16 | 29·707 | 29·729 | 96 | 79 | 45 | S W | 11 | ..... | ..... | c |
| | 21st | 10 | 29·780 | 29·802 | 90 | 75 | 47 | S W | 16 | 0·02 | ..... | c |
| | | 16 | 29·636 | 29·658 | 98 | 79 | 41 | W by N | 10 | ..... | ..... | cloudy. |
| | 22nd | 10 | 29·764 | 29·786 | 91 | 75 | 45 | S W by W | 15 | ..... | ..... | c |
| | | 16 | 29·635 | 29·657 | 99 | 76 | 31 | W by S | 12 | ..... | ..... | hc |
| Cuttack. | June 17th | 10 | 29·556 | 29·637 | 90 | 83 | 73 | S W | 3·7 | ..... | K, PK, C | |
| | | 16 | 29·439 | 29·519 | 93 | 85 | 71 | S S E | 4·4 | ..... | CK, PK | d, t |
| | 18th | 10 | 29·548 | 29·629 | 90 | 82 | 70 | E | 2·9 | ..... | C, CK, C | |
| | | 16 | 29·421 | 29·501 | 94 | 83 | 61 | S | 2·1 | ..... | K, PK, C | |
| | 19th | 10 | 29·535 | 29·616 | 88 | 81 | 73 | W N W | 2·3 | 0·50 | C, CK | c |
| | | 16 | 29·427 | 29·508 | 92 | 83 | 67 | W | 1·7 | ..... | PC | o |
| | 20th | 10 | 29·509 | 29·590 | 89 | 81 | 69 | S W | 1·1 | ..... | PC | o |
| | | 16 | 29·427 | 29·508 | 89 | 83 | 77 | S S W | 3·9 | ..... | PC | o |
| | 21st | 10 | 29·472 | 29·553 | 88 | 80 | 69 | S S W | 2·9 | ..... | PC | o |
| | | 16 | 29·394 | 29·475 | 91 | 79 | 67 | S W | 7·0 | ..... | PC, C | |
| | 22nd | 10 | 29·469 | 29·550 | 90 | 81 | 66 | S W | 5·8 | ..... | PC, C | |
| | | 16 | 29·389 | 29·469 | 94 | 81 | 55 | S W | 4·4 | ..... | PC | c |
| | 23rd | 10 | 29·469 | 29·550 | 90 | 81 | 66 | W S W | 4·7 | ..... | CK, PC | c |
| | | 16 | 29·384 | 29·483 | 98 | 83 | 51 | W | 4·6 | ..... | C, PK | c |
| Akyab. | June 17th | 10 | 29·758 | 29·779 | 86 | 83 | 88 | S S W | 3·5 | 0·30 | CK, N | |
| | | 16 | 29·677 | 29·698 | 86 | 84 | 92 | S | 7·3 | ..... | CK, N | |
| | 18th | 10 | 29·699 | 29·720 | 86 | 83 | 88 | E S E | 4·8 | 0·40 | CK, N | |
| | | 16 | 29·565 | 29·586 | 86 | 80 | 76 | S | 6·1 | ..... | CK, N | |
| | 19th | 10 | 29·585 | 29·606 | 88 | 80 | 69 | S E | 7·6 | 0·10 | CK, N | |
| | | 16 | 29·496 | 29·517 | 86 | 81 | 80 | S | 8·5 | ..... | CK, N | |
| | 20th | 10 | 29·560 | 29·581 | 86 | 81 | 80 | S E | 7·8 | 0·51 | CK, N | |
| | | 16 | 29·481 | 29·502 | 85 | 80 | 79 | S | 6·6 | 0·20 | CK, N | |
| | 21st | 10 | 29·454 | 29·476 | 79 | 78 | 95 | N | 11·3 | 0·60 | N | |
| | | 16 | 29·622 | 29·644 | 79 | 78 | 94 | W | 10·0 | 2·90 | N | |
| | 22nd | 10 | 29·610 | 29·631 | 86 | 83 | 88 | S W | 10·8 | 4·20 | N | |
| | | 16 | 29·564 | 29·583 | 80 | 78 | 94 | N | 8·3 | 0·20 | CK, N | |
| | 23rd | 10 | 29·640 | 29·662 | 81 | 79 | 91 | S | 2·8 | 0·60 | CK, N | |
| | | 16 | 29·536 | 29·558 | 83 | 80 | 87 | S | 7·3 | ..... | CK, N | |

* Velocity of wind in miles per hour.

JOHN ELIOT,
*Meteorological Reporter to the Government of Bengal.*

CALCUTTA,
*The 23rd June 1877.*

Results of the Meteorological Observations taken at Alipore Observatory from 17th to 23rd June 1877.

| Month. | Date. | Mean pressure; barometer at 32° Fah. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1877. | | Inches. | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | Inch. | ⊖ | | | | | |
| June | 17th | 29·642 | 85·6 | 94·7 | 13·5 | 81·2 | 80·5 | 0·975 | 78·5 | 79 | Chiefly south-east. | 157 | Nil | Partially cloudy till evening, *t* at 2-10 P.M., night clear. |
| ,, | 18th | ·596 | 83·1 | 95·8 | 14·8 | 81·0 | 80·0 | ·985 | 78·8 | 87 | Chiefly south-east. | 111 | 0·04 | Partially cloudy, *t* at 2-16 P.M., *d* at 3-57 P.M., *lr*. *o*. |
| ,, | 19th | ·565 | 83·7 | 94·2 | 13·3 | 80·9 | 80·6 | 1·005 | 79·4 | 87 | Till 6 A.M. S.E., till midnight S.S.E. | 97 | 0·06 | Partially cloudy, *t* at 2-33 P.M., rain at 2-39 P.M., *o*. |
| ,, | 20th | ·526 | 84·9 | 95·7 | 14·7 | 81·0 | 80·7 | 0·995 | 79·1 | 83 | Till 9 A.M. S., till 6½ P.M. N.E. by N. through W. and N., till midnight S. back again through N. and W. | 128 | 0·50 | Morning cloudy, noon clear, afternoon and night cloudy at 6-35 P.M., *t* and rain at 6-55 P.M., *o*. |
| ,, | 21st | ·459 | 85·9 | 97·2 | 20·9 | 76·3 | 82·2 | 1·052 | 80·8 | 85 | Till 4½ A.M. S.S.W., till 7½ A.M. E.S.E. through S.E., till midnight S.S.W. back again. | 94 | Nil | Partially cloudy, *o*. |
| ,, | 22nd | ·484 | 84·0 | 92·1 | 8·7 | 83·4 | 81·6 | 1·047 | 80·6 | 89 | Chiefly south ... | 122 | Nil | Cloudy, *t* at 5½ P.M., *o*. |
| ,, | 23rd | ·493 | 78·2 | 88·4 | 13·5 | 74·9 | 78·0 | 0·960 | 78·0 | 100 | Till 8 A.M. from S. to N. round S.W. and N.W., till ½ P.M. S. back again through N.E. and S.E., till midnight veered to N.W. through W. | 99 | 1·22 | Cloudy, *d* and rain at intervals, *t l o* and *g*. |

| | |
|---|---|
| | Inch. |
| The mean pressure of the seven days ... ... | 29·538 |
| The average pressure of the corresponding period for 20 years ... ... | 29·527 |
| | ⊖ |
| The mean temperature of the seven days ... ... ... | 83·6 |
| The average temperature of the corresponding period for 20 years ... | 84·2 |
| The extreme variation of temperature during the seven days ... ... | 22·3 |
| The maximum temperature during the seven days ... ... | 97·2 |
| The mean humidity during the seven days ... ... ... | 87· |
| | Inch. |
| The total fall of rain from 17th to 23rd June 1877 ... ... | 1·82 |
| The average fall of the corresponding period for 24 years ... ... | 3·39 |

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*t* thunder, *l* lightning, *d* drizzling, *o* overcast, *g* gloomy.

H. F. BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 25th June 1877.

## Abstract of the Results of the Meteorological Observations taken at the Alipore Observatory in the month of May 1877.

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... ... | 29·724 | | |
| The average pressure of 24 years ... ... ... | 29·656 | | |
| The highest pressure during the month ... ... | 29·897 | 17th | 10h. |
| The lowest pressure during the month ... ... | 29·498 | 26th | 16h. |
| The range of pressure during the month ... ... | 0·399 | | |

| | ° | | |
|---|---|---|---|
| The mean temperature of the month ... ... | 82·8 | | |
| The average temperature of 24 years ... ... | 86·1 | | |
| The highest temperature during the month ... ... | 103·1 | 25th | 16h. |
| The lowest temperature during the month ... ... | 70·1 | 5th | 6h. |
| The range of temperature during the month ... ... | 33·0 | | |
| The mean daily range of temperature during the month ... | 18·9 | | |
| The greatest range of temperature in one day during the month ... ... ... ... ... | 27·4 | 5th | |

| | % | | |
|---|---|---|---|
| The mean humidity during the month ... ... | 77 | | |
| The mean vapour tension during the month ... ... | 0·872 | | |
| The average humidity of 24 years ... ... ... | 73 | | |
| The average vapour tension of 10 years ... ... | 0·927 | | |
| The mean cloud proportion of the month ... ... | 3·38 | | |

| | Inches. | | |
|---|---|---|---|
| The total rainfall of the month ... ... ... | 5·06 | | |
| The average rainfall of 49 years ... ... ... | 5·39 | | |
| The greatest fall in 24 hours ... ... ... | 1·49 | 19th | |
| | days. | | |
| The number of rainy days in the month ... | 11 | | |
| The average number of rainy days of 24 years ... ... | 13 | | |

| | ° | | |
|---|---|---|---|
| The mean maximum equilibrium temperature of Solar radiation of the month ... ... ... ... | 152·3 | | |
| The mean difference of sun and air temperatures ... | 56·4 | | |
| The greatest sun temperature ... ... ... | 160·2 | 6th | |
| The greatest excess of sun over air temperature ... ... | 65 8 | 6th | |
| The mean temperature of nocturnal radiation thermometer on woollen cloth ... ... ... ... | 73·4 | | |
| The mean depression of nocturnal radiation thermometer below the minimum of air ... ... ... | 3·7 | | |
| The greatest depression of noctural radiation thermometer below the minimum of air ... ... ... | 7·4 | 6th | |

| | Miles. | | |
|---|---|---|---|
| The mean velocity of the wind per day ... ... | 161·9 | | |
| The greatest velocity of the wind ... ... ... | 336·0 | 21st | |

The number of observations under each of the 8 points N1, NE6, E7, SE14, S72, SW15, W4, NW5, calm 0.

HENRY F. BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 25th June 1877.

## Report of Fluctuations of Traffic on the Tirhoot State Railway for the Month of May 1877.

### TRAFFIC DEPARTMENT.

*Statement shewing the Fluctuation in the principal Staples of Traffic for the month of May* 1877.

| | Increase. Mds. | Decrease. Mds. |
|---|---|---|
| Rice ... ... ... ... ... | 1,033 | ..... |
| Pulses ... ... ... ... ... | 245 | ..... |
| Other food-grains ... ... ... ... | ..... | 44 |
| Salt ... ... ... ... | ..... | 83 |
| Oil seeds ... ... ... ... | 15,181 | ..... |

DATED BAZIDPUR, 12th June 1877. W. M. JOHNSTON, *Asst. Traffic Supdt.*

## Report of Fluctuations of Traffic on the Eastern Bengal Railway for the Month of May 1877.

*Report on the Traffic for the four weeks ending 26th May* 1877.

No. *A*—47-677, dated Calcutta, the 22nd June 1877.

From—JAMES BRANDER, Esq., Traffic Superintendent, Eastern Bengal Railway Company,

To—The Agent, Sealdah.

THE quantity of goods carried during the above period was 7,35,466 maunds, as against 4,70,172 maunds during the same period of last year, showing an increase of 2,65,294 maunds.

The increase is chiefly attributable to the following staples:—grain, including rice, piece-goods, foreign railway material, salt, seeds, and miscellaneous goods.

Those staples showing the greatest decrease are gunny, jute, sugar, tobacco, and turmeric.

*Increases.*

Grain, including rice ... ... ... ... Mds. 1,82,896

This staple still continues to arrive in large quantities for exportation.

Piece-goods ... ... ... ... ... Mds. 2,047

This staple, though not showing such a large increase as last month, still holds its own satisfactorily.

Foreign railway material ... ... ... ... Mds. 15,844

This large increase is owing to the quantity of plant being forwarded for the extension from Puradaha for the Northern Bengal State Railway.

Salt ... ... ... ... ... Mds. 28,407

This article still continues to show a large increase, as was expected.

Seeds ... ... ... ... ... Mds. 1,13,124

It is satisfactory to see that an increased demand is made for these, the increase being more than double that of last month.

Miscellaneous goods ... ... ... ... Mds. 33,542

This traffic still continues to show a satisfactory increase, and is adding to our revenue. It is chiefly upward.

*Decreases.*

Gunny ... ... ... ... ... Mds. 2,125

The decrease in this article is not so marked as before, though there is still a great demand for sacks for forwarding seeds, &c., from the interior.

Jute ... ... ... ... ... ... Mds. 77,165

The decrease is owing to the stock of jute being almost exhausted, and owing to the low prices at present offering no export is being made.

Sugar ... ... ... ... ... ... Mds. 5,924

The decrease in this commodity is attributable to the season drawing to a close, and the rains having commenced in the Jessore district.

| | Tobacco. | Turmeric. |
|---|---|---|
| Tobacco and turmeric ... ... ... Mds. | 22,407 | 5,062 |

These two articles still show a large decrease owing to there being no demand for them in the market.

I attach the usual statement showing the increases and decreases of the principal staples.

*Statement of Increases and Decreases in maundage of Staples carried by the Eastern Bengal Railway Company for the four weeks ending 26th May* 1877, *in comparison with that of the corresponding periods of* 1876.

| STAPLES. | 1876. | Up. 1877. | Down. 1877. | Increases. | Decreases. |
|---|---|---|---|---|---|
| | Mds. | Mds. | Mds. | Mds. | Mds. |
| Ale, beer, wine, &c. ... ... ... ... ... | 631 | 1,229 | ..... | 598 | ..... |
| Cotton, bundles of ... ... ... ... ... | 479 | 1,666 | 245 | 832 | ..... |
| " bales of ... ... ... ... ... | 944 | 116 | ..... | ..... | 828 |
| Grain, including rice ... ... ... ... ... | 30,739 | 4,654 | 2,06,981 | 1,82,896 | ..... |
| Gunny, bundles of ... ... ... ... ... | 4,314 | 1,851 | 107 | ..... | 2,556 |
| " bales of ... ... ... ... ... | 6,329 | 561 | 6,799 | 831 | ..... |
| Hides, bundles of ... ... ... ... ... | 6,084 | 176 | 8,893 | 2,985 | ..... |
| " bales of ... ... ... ... ... | 1,073 | ..... | ..... | ..... | 1,073 |
| Jute, drums of ... ... ... ... ... | 1,56,394 | ..... | 56,582 | ..... | 79,812 |
| " bales of ... ... ... ... ... | 1,777 | ..... | 4,234 | 2,457 | ..... |
| Piece-goods ... ... ... ... ... | 15,732 | 17,779 | ..... | 2,047 | ..... |
| Railway material, foreign ... ... ... ... | 9,103 | 24,947 | ..... | 15,844 | ..... |
| Salt ... ... ... ... ... ... | 39,657 | 68,064 | ..... | 28,407 | ..... |
| Seeds ... ... ... ... ... ... | 90,257 | 2,913 | 2,00,468 | 1,13,124 | ..... |
| Sugar ... ... ... ... ... ... | 30,307 | 252 | 24,131 | ..... | 5,924 |
| Tea ... ... ... ... ... ... | 945 | 2 | 294 | ..... | 649 |
| Tobacco ... ... ... ... ... ... | 34,589 | 266 | 11,916 | ..... | 22,407 |
| Turmeric ... ... ... ... ... ... | 14,229 | 9 | 9,168 | ..... | 5,062 |
| Twist ... ... ... ... ... ... | 5,586 | 3,877 | ..... | 291 | ..... |
| All other goods ... ... ... ... ... ... | 42,595 | 49,822 | 26,313 | 33,542 | ..... |
| Total ... | 4,07,172 | 1,77,375 | 5,58,091 | 3,83,845 | 1,18,551 |
| | | | 1,77,375 | | |
| | | | 7,35,466 | | |
| Less decreases ... | ..... | ..... | 4,70,172 | 1,18,551 | |
| Net increases ... | ..... | ..... | ..... | 2,65,294 | |

# Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for week ended 16th June 1877, on 1,279¼ miles open.*

| | Coaching Traffic. | | | | | Merchandise and Mineral Traffic. | | | | | Total Traffic Receipts. | | Train Miles Run. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | | | | Weight carried. | Receipts. | | | | | | Coaching. | Merchandise. | Total. |
| | | Rs. | A. | P. | £ s. d. | Mds. Sr. | Rs. | A. | P. | £ s. d. | Rs. | A. P. | | | |
| Total traffic for the week ... | 130,690 | 1,41,968 | 3 | 3 | 13,013 15 1 | 12,60,224 30 | 5,72,400 | 14 | 0 | 52,470 1 7 | 7,14,369 | 1 3 | 44,565¼ | 108,118¾ | 152,684¼ |
| Or per mile of railway ... ... | ..... | 110 | 14 | 11 | 10 3 5 | ..... | 447 | 4 | 5 | 41 0 0 | 558 | 3 4 | ..... | ..... | ..... |
| For previous 23 weeks of half-year ... ... ... | 3,156,657 | 45,64,193 | 10 | 8 | 418,584 8 4 | 3,08,43,714 30 | 1,30,40,104 | 15 | 11 | 1,195,342 19 2 | 1,76,04,298 | 10 2 | 1,074,855¼ | 2,434,466 | 3,509,321¼ |
| Total for 24 weeks ... | 3,287,756 | 47,06,161 | 13 | 6 | 431,598 3 5 | 3,21,03,939 20 | 1,36,12,505 | 13 | 11 | 1,247,813 0 9 | 1,83,18,667 | 11 5 | 1,119,421 | 2,542,584¼ | 3,662,005¾ |
| COMPARISON. | | | | | | | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 117,807 | 1,23,832 | 12 | 3 | 11,351 6 9 | 16,10,294 20 | 4,25,246 | 11 | 0 | 38,980 18 11 | 5,49,079 | 7 3 | 42,051 | 91,435 | 134,086 |
| Per mile of railway, corresponding week of previous year ... ... ... ... | ..... | 96 | 12 | 3 | 8 17 5 | ..... | 332 | 4 | 7 | 30 9 2 | 429 | 0 10 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 3,089,604¼ | 45,46,508 | 7 | 9 | 425,939 18 11 | 2,50,84,431 0 | 1,00,68,251 | 1 | 3 | 977,923 0 4 | 1,55,14,759 | 9 0 | 1,092,891 | 1,975,940 | 3,068,831 |

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for week ended 16th June 1877, on 223¾ miles open.*

| | | Rs. | A. | P. | £ s. d. | Mds. Sr. | Rs. | A. | P. | £ s. d. | Rs. | A. P. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total traffic for the week ... | 6,991¼ | 15,341 | 1 | 9 | 1,537 18 8 | 1,06,565 0 | 47,959 | 11 | 0 | 4,394 9 5 | 63,690 | 12 9 | 4,651 | 15,023¼ | 19,674¼ |
| Or per mile of railway ... | ..... | 67 | 10 | 9 | 6 4 1 | ..... | 214 | 4 | 1 | 19 12 0 | 281 | 14 10 | ..... | ..... | ..... |
| For previous 23 weeks of half-year ... ... ... | 163,701 | 5,67,029 | 8 | 3 | 51,577 14 2 | 56,03,366 0 | 14,55,845 | 9 | 9 | 131,618 19 11 | 20,02,873 | 2 0 | 114,534¼ | 350,748¼ | 465,282¼ |
| Total for 24 weeks ... ... | 170,692¼ | 5,82,170 | 10 | 0 | 53,365 12 10 | 58,02,729 0 | 14,83,785 | 4 | 9 | 136,013 9 4 | 20,65,953 | 14 9 | 119,185¼ | 365,771¼ | 484,957 |
| COMPARISON. | | | | | | | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 5,202 | 12,053 | 3 | 3 | 1,104 17 7 | 94,483 10 | 22,408 | 0 | 0 | 2,054 1 4 | 34,461 | 3 3 | 4,240 | 5,784 | 10,024 |
| Per mile of railway, corresponding week of previous year ... ... ... ... | ..... | 53 | 13 | 11 | 4 18 9 | ..... | 100 | 2 | 4 | 9 3 7 | 154 | 0 3 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 147,512 | 4,72,668 | 14 | 9 | 40,761 6 3 | 38,50,500 0 | 5,91,954 | 8 | 9 | 54,262 10 0 | 10,36,623 | 6 9 | 112,689 | 142,147 | 254,836 |

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 16th June 1877, on 28 miles open.*

| | Coaching Traffic. | | | | | Merchandise and Mineral Traffic. | | | | | Total receipts. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | | | Weight carried. | Receipts. | | | | |
| | | Rs. | A. | P. | £. s. d. | Mds. Srs. | Rs. | A. | P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... ... | 9,038 | 1,325 | 0 | 0 | 132 10 0 | 13,045 0 | 467 | 0 | 0 | 46 [illegible] 0 | 179 4 0 |
| Or per mile of railway ... ... ... | 323 | 47 | 8 | 0 | 4 15 0 | 466 0 | 16 | 8 | 0 | 1 13 0 | 6 8 0 |
| For previous 23 weeks of half-year ... | 223,488 | 32,802 | 0 | 0 | 3,280 4 0 | 430,473 0 | 14,605 | 0 | 0 | 1,460 10 0 | 4,740 14 0 |
| Total for 24 weeks ... ... ... | 232,526 | 34,127 | 0 | 0 | 3,412 14 0 | 443,516 0 | 15,072 | 0 | 0 | 1,507 4 0 | 4,919 18 0 |
| COMPARISON. | | | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... ... | 5,171¼ | 1,176 | 15 | 0 | 117 13 10 | 17,673 0 | 603 | 10 | 9 | [illegible] 7 4 | 178 1 2 |
| Per mile of railway, corresponding week of previous year ... ... ... | 222 | 42 | 0 | 6 | 4 4 1 | 631 7 | 21 | 8 | 11 | [illegible] 5 1 | 6 7 [illegible] |
| Total to corresponding date of previous year ... ... ... ... | 231,820 | 31,988 | 5 | 6 | 3,198 16 8 | 4,18,540 10 | 13,963 | 15 | 9 | 1,396 [illegible] 11 | 4,595 4 7 |

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic, for week ended 16th June 1877, on 158¼ miles open.*

| | Coaching Traffic. | | | Merchandise and Mineral Traffic. | | | Total receipts. |
|---|---|---|---|---|---|---|---|
| | Number of passengers. | Coaching receipts. | | Weight carried. | Receipts. | | |
| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
| Total traffic for the week ... ... ... | 32,537½ | 22,219 5 0 | 2,036 15 5 | 2,31,006 10 | 41,382 9 2 | 3,793 8 0 | 5,830 3 5 |
| Or per mile of railway ... ... ... | 206 | 140 6 6 | 12 17 5 | 1,465 18 | 261 8 0 | 23 19 5 | 36 16 10 |
| For previous 23 week of half-year ... | 853,824 | 5,78,220 15 9 | 53,003 12 0 | 45,12,144 29 | 9,41,587 1 4 | 86,312 2 11 | 139,315 14 11 |
| Total for 24 weeks ... | 886,361½ | 6,00,440 4 9 | 55,040 7 5 | 47,44,050 39 | 9,82,969 10 6 | 90,105 10 11 | 145,145 18 4 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... ... ... | 31,906½ | 20,067 5 1 | 1,839 10 1 | 1,50,002 33 | 24,842 4 8 | 2,277 4 2 | 4,116 14 3 |
| Per mile of railway, corresponding week of previous year ... ... ... | 202 | 126 12 11 | 11 12 6 | 947 35 | 156 15 8 | 14 7 9 | 26 0 3 |
| Total to corresponding date of previous year ... ... ... ... ... ... | 901,158½ | 6,02,682 12 8 | 55,245 18 3 | 37,18,772 14 | 6,97,550 1 4 | 63,942 1 11 | 119,188 0 2 |

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for week ended 16th June 1877, on 27¼ miles open.*

| | | Rs. A. P. | £ s. d. | Mds. Sr. | Rs. A. P. | £ s. d. | £ s. d. |
|---|---|---|---|---|---|---|---|
| Total traffic for the week ... ... ... | 2,029 | 1,015 0 0 | 101 10 0 | 9,735 0 | 689 0 0 | 68 18 0 | 170 8 0 |
| Or per mile of railway ... ... ... | 74 | 37 0 0 | 3 14 0 | 357 0 | 25 8 0 | 2 11 0 | 6 5 0 |
| For previous 23 weeks of half-year ... | 50,530 | 24,120 0 0 | 2,412 0 0 | 1,80,340 0 | 13,172 0 0 | 1,317 4 0 | 3,729 4 0 |
| Total for 24 weeks ... ... | 52,559 | 25,135 0 0 | 2,513 10 0 | 1,90,075 0 | 13,861 0 0 | 1,386 2 0 | 3,899 12 0 |
| COMPARISON. | | | | | | | |
| Total for corresponding week of previous year ... ... ... ... ... | 1,850 | 1,010 13 10 | 101 1 9 | 3,572 20 | 384 11 6 | 38 9 5 | 139 11 2 |
| Per mile of railway, corresponding week of previous year ... ... ... | 67 | 37 1 6 | 3 14 2 | 131 4 | 14 1 11 | 1 8 3 | 5 2 5 |
| Total to corresponding date of previous year ... ... ... ... ... ... | 49,560½ | 24,434 5 3 | 2,443 8 7 | 1,71,116 0 | 14,064 7 0 | 1,406 8 11 | 3,849 17 6 |

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